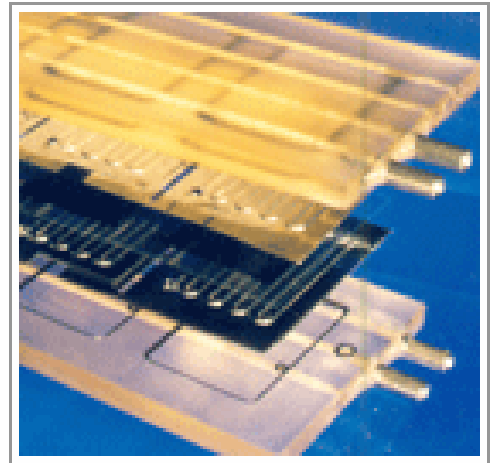


Pedidos de Patente de Tecnologias Relativas a Células a Combustível – nº 8



Pedidos publicados no
1º semestre de 2012

INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL - INPI

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CENTRO DE DISSEMINAÇÃO DA INFORMAÇÃO TECNOLÓGICA
CEDIN

Chefe: Raul Suster

COORDENAÇÃO DE ESTUDOS E PROGRAMAS - CEPRO

Chefe: Luci Mary Gonzalez Gullo

Autora:

Luciana Goulart de Oliveira

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1 - INTRODUÇÃO

1.1 - ALERTA TECNOLÓGICO

O Instituto Nacional da Propriedade Industrial (INPI) é uma Autarquia Federal, vinculada ao Ministério do Desenvolvimento, Indústria e Comércio Exterior (MDIC), responsável pela concessão de patentes, registro de desenhos industriais, registro de marcas, averbação de contratos de transferência de tecnologia e de franquia, registro de programas de computador, indicações geográficas e topografias de circuito integrado.

O Centro de Disseminação da Informação Tecnológica (CEDIN), subordinado à Diretoria de Cooperação para o Desenvolvimento (DICOD), mantém um acervo com a descrição dos pedidos de patente e de registros de desenho industrial. Uma de suas atribuições é divulgar e disseminar a utilização destas informações bibliográficas e técnicas. Para tanto, o CEDIN dispõe da Coordenação de Estudos e Programas – CEPRO, cuja incumbência é elaborar publicações fundamentadas, essencialmente, em informações extraídas de documentos de patente.

A patente é uma importante fonte formal de informação, por meio da qual pode-se ter acesso a detalhes técnicos de invenções que, em alguns casos, não estão descritos em outros meios de divulgação (livros, artigos técnicos etc).

O objetivo desta publicação semestral é o de alertar sobre os principais depositantes de patente em determinado setor e período de tempo, os países onde o primeiro depósito foi solicitado (país de prioridade), as áreas tecnológicas mais solicitadas e de divulgar os títulos dos pedidos de patente publicados mundialmente em determinado período. Desta forma, busca-se contribuir para a atualização periódica do público alvo deste Alerta Tecnológico.

Mais detalhes sobre cada pedido de patente como resumo, nome(s) do(s) inventor(es), cópia do documento completo etc. podem ser obtidos nas seguintes bases de patente disponíveis gratuitamente na internet:

1. Base Brasileira de Pedidos de Patente¹: <http://www.inpi.gov.br>
2. Base do Escritório Europeu de Patentes²:
<http://worldwide.espacenet.com>
3. Base do Escritório Americano de Patentes³: <http://www.uspto.gov>

Caso haja interesse em se conhecer o(s) depósito(s) de patente no Brasil, correspondente(s) aos pedidos de patente estrangeiros (família do pedido de patente⁴) listados na Tabela nº 2, sugere-se uma busca de família dos pedidos de interesse. Neste caso, o CEDIN informará os procedimentos a serem seguidos. Abaixo, seguem endereço e formas de contatar o CEDIN.

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Diretoria de Cooperação para o Desenvolvimento – DICOD
Centro de Disseminação da Informação Tecnológica – CEDIN
Rua Mayrink Veiga 15, 20º andar, Centro, Rio de Janeiro, RJ , CEP
Tel. (21) 3037 - 3101 , Fax. (21) 3037 - 3354
e-mail: cedin@inpi.gov.br

As cópias integrais dos pedidos de patente de interesse podem ser solicitadas por meio do endereço copdocpat@inpi.gov.br ou por correio postal ao endereço anteriormente mencionado.

¹ Esta base contém somente pedidos de patente depositados e publicados no Brasil a partir de 1982.

² Contém pedidos de patente depositados e publicados em mais de 70 países.

³ Contém somente pedidos depositados e publicados nos Estados Unidos.

⁴ Uma família de patentes é a coleção de documentos de patente relacionados à mesma invenção ou a invenções correlacionadas, publicados em diferentes países. Cada documento de patente da família baseia-se, normalmente, nos dados do primeiro pedido depositado no país da prioridade. Existem diferentes estruturas de famílias de patente. Para este Alerta, o termo família de patentes refere-se ao conceito de “família simples”, na qual todos os documentos de patente têm em comum o número e a data da prioridade unionista (WIPO, 2008).

1.2- PEDIDOS DE PATENTE DE TECNOLOGIAS RELATIVAS A CÉLULAS A COMBUSTÍVEL

O alerta da comunidade científica sobre os efeitos do aquecimento global provocado pelo aumento da emissão de gases de efeito estufa, e a instabilidade no suprimento de combustíveis fósseis, têm provocado em vários países a intensificação nas pesquisas para aumentar a participação das fontes renováveis e limpas na matriz energética. Neste contexto, a célula a combustível, uma tecnologia que utiliza hidrogênio e oxigênio para gerar energia elétrica, energia térmica e água, apresenta-se como uma alternativa ambientalmente aceitável com baixas emissões de poluentes. As aplicações desta tecnologia incluem a geração de energia elétrica estacionária e a utilização em transporte e em equipamentos portáteis.

No Brasil, o Programa de Ciência, Tecnologia e Inovação para a Economia do Hidrogênio, elaborado pelo Ministério da Ciência e Tecnologia (MCT), tem como objetivo promover ações integradas e cooperadas, que viabilizem o desenvolvimento nacional da tecnologia de hidrogênio e de sistemas de célula a combustível, com vistas a inserir o Brasil na economia do hidrogênio.

Assim, o INPI, por meio do CEDIN, vem prestar sua colaboração com a divulgação das informações contidas em documentos de patentes publicados sobre células a combustível e, conseqüentemente, facilitar ao público interessado o acesso a estas informações.

O objetivo do presente trabalho consiste em divulgar, semestralmente, os pedidos de patente publicados no mundo relacionados às células a combustível.

Para este levantamento, foram selecionados os pedidos de patente que contêm pelo menos uma das classificações internacionais discriminadas a seguir:

H01M 8/00 – Células a combustível; Sua fabricação.

H01M 8/02 – Detalhes;

H01M 8/04 – Disposições ou processos auxiliares, por ex., para o controle da pressão, para a circulação de fluidos;

H01M 8/06 – Combinação de células combustível com meios para a produção de reagentes ou para o tratamento de resíduos;

H01M 8/08 – Combinação de células combustível com meios para a produção de reagentes ou para o tratamento de resíduos;

H01M 8/10 – Células combustível com eletrólitos sólidos;

H01M 8/12 – Funcionando à alta temperatura, por ex., com um eletrólito ZrO₂ estabilizado;

H01M 8/14 – Células combustível com eletrólitos fundidos;

H01M 8/16 – Células combustível bioquímicos, i.e., células em que os micro-organismos atuam como catalisadores;

H01M 8/18 – Células combustível de regeneração;

H01M 8/20 – Células a combustível indiretas, por ex, células Redox (H01M 8/18 tem prioridade);

H01M 8/22 – Células a combustível em que o combustível é baseado em materiais compreendendo carbono, oxigênio ou hidrogênio e outros elementos;
Células a combustível em que o combustível é baseado em materiais compreendendo apenas elementos outros que não carbono, oxigênio ou hidrogênio;

H01M 8/24 – Arranjos de células a combustível em baterias, por ex, módulos.

2- RESULTADOS

No semestre pesquisado foram selecionados 3.074 documentos de patente que abordam tecnologias relacionadas à células a combustível.

De acordo com o Gráfico nº 1, pode-se identificar os países⁵ de prioridade (país ou organização onde foi realizado o primeiro depósito do pedido de patente) e observar a ocorrência de documentos em cada país. Foram considerados os países de prioridade que constam em 10 ou mais pedidos de patente. Este gráfico revela que os cinco principais países de prioridade⁶ são: Japão, Estados Unidos da América, Coreia, China e Alemanha. Observa-se, através da comparação com os resultados obtidos em Alertas publicados e disponíveis na página do INPI para consulta em http://www.inpi.gov.br/portal/artigo/alerta_tecnologico que o Japão permanece em primeiro lugar no *ranking* e que os Estados Unidos mantiveram a segunda posição.

A partir dos resultados nele apresentados pode-se inferir que as tecnologias estão sendo desenvolvidas, principalmente, nos países indicados. Isto provavelmente é verdadeiro porque, geralmente, os depositantes solicitam a prioridade a partir de seus países de origem. Alternativamente, isto poderia indicar o interesse do primeiro depósito nos mercados destes países.

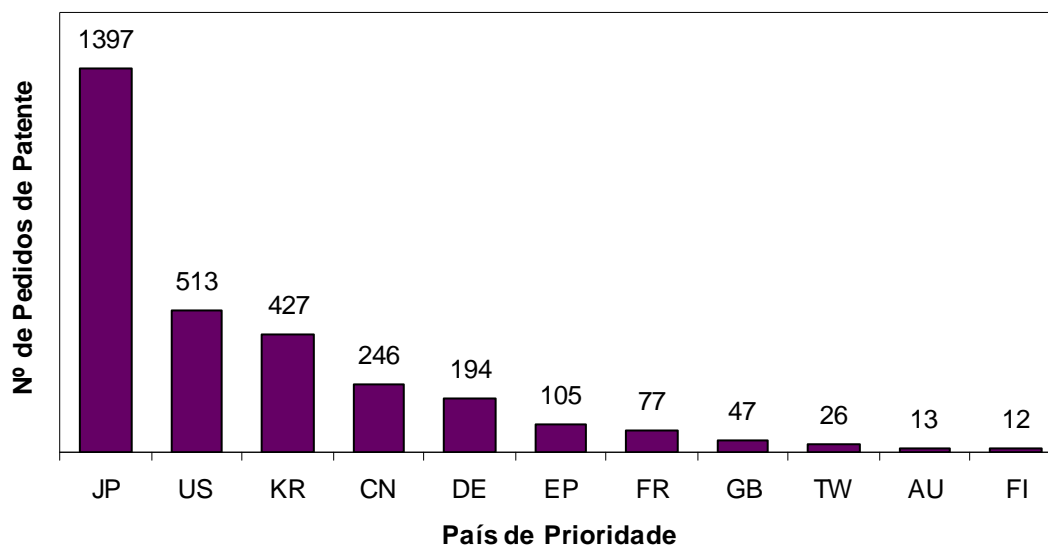
Existe uma concentração relevante de pedidos com prioridade japonesa (cerca de 45%), o que reflete uma supremacia da pesquisa em mãos de empresas daquele país ou a escolha de primeiro depósito naquele país.

Na Tabela nº 2, apresentada mais adiante neste Alerta, verifica-se que, neste período, foram recuperados 2 pedidos com prioridade brasileira: PI1002748, depositado pela Universidade Federal da Bahia (BR) e US 2012088176, depositado por Paulo Emilio Valadão de Miranda, Selma Aparecida Venâncio e Hugo Vidal de Miranda (US).

⁵ A lista com os códigos dos países está disponível no Anexo I.

⁶ Conforme estabelecido pela Convenção de Paris (CUP) em seu Art. 4º, o primeiro pedido de patente depositado em um dos países membros da Convenção serve de base para depósitos subsequentes relacionados à mesma matéria, efetuados pelo mesmo depositante ou por seus sucessores legais. Tem-se, assim, o **Direito de Prioridade**. O prazo para exercer tal direito é de 12 meses, para invenção e modelo de utilidade. Ver art. 16, da Lei da Propriedade Industrial (LPI), nº 9.279/96 – disponível em www.inpi.gov.br.

Gráfico 1: Número de pedidos de patente publicados no mundo sobre tecnologias relativas a células a combustível no 1º semestre de 2012 x País de prioridade



Fonte: INPI

O Gráfico nº 2 permite o monitoramento das principais tecnologias relacionadas ao tema, descritas nos pedidos de patente publicados no período. Para este levantamento foram computadas somente as classificações presentes em mais de 50 documentos.

Pode-se verificar a seguir a descrição das classificações encontradas:

H01M8 - Células a combustível; Sua fabricação.

H01M4 - Eletrodos.

C01B3 - Hidrogênio; Misturas gasosas contendo hidrogênio; Separação do hidrogênio das misturas gasosas que o contém; Purificação de hidrogênio.

H01B1 - Condutores ou corpos condutores caracterizados pelos materiais condutores; Seleção de materiais para condutores.

H01M2 - Detalhes estruturais ou processos de fabricação das partes não ativas.

B60L11 - Propulsão elétrica com fonte de potência no interior do veículo.

C08J5 - Manufatura de artigos ou de materiais modelados contendo substâncias macromoleculares.

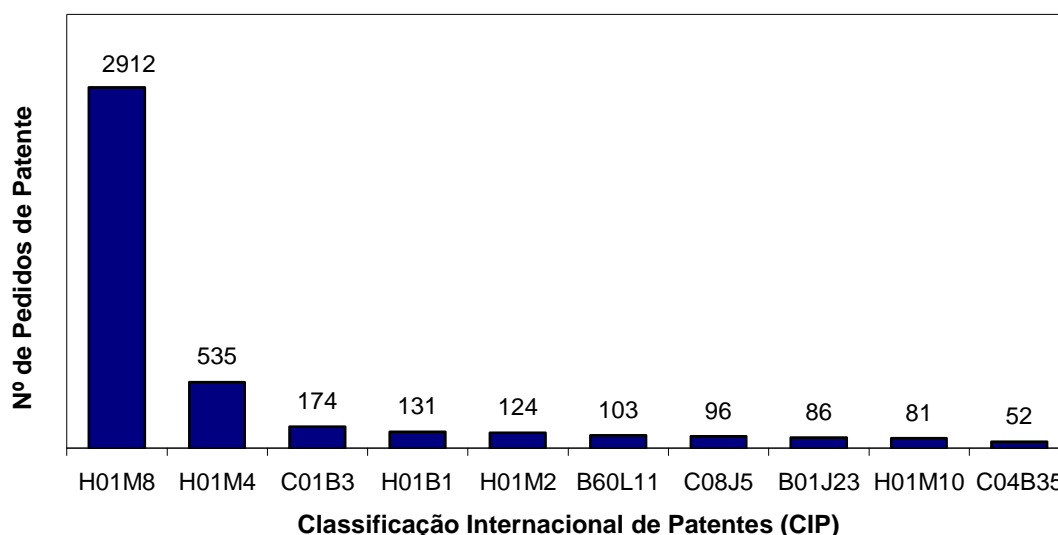
B01J23 - Catalisadores compreendendo metais ou óxidos ou hidróxidos de metais não incluídos no grupo B01J 21/00.

H01M10 - Células secundárias; Sua fabricação.

C04B35 - Produtos modelados de cerâmica caracterizados por sua composição; Composições de cerâmica; Processamento de pós de compostos inorgânicos, preparatório para a manufatura de produtos cerâmicos.

Cotejando o resultado obtido das classificações nos Alertas já publicados, disponíveis para consulta em http://www.inpi.gov.br/portal/artigo/alerta_tecnologico observa-se que as 3 primeiras classificações identificadas acima são exatamente as mesmas, nesta ordem, encontradas nos trabalhos realizados anteriormente.

Gráfico 2: Número de pedidos de patente publicados no mundo sobre tecnologias relativas a células a combustível no 1º semestre de 2012 x Classificação Internacional de Patentes (CIP)



Fonte: INPI

Na Tabela nº 1, a seguir, são identificados os depositantes com maior número de pedidos de patente publicados no 1º semestre de 2012, estando relacionados os que aparecem em 15 ou mais pedidos. A primeira coluna contém os nomes dos depositantes e, a segunda, o total de documentos recuperados no período para cada empresa.

Desta tabela observa-se que das 28 empresas com maior número de pedidos depositados a maior parte é japonesa, dado compatível com o resultado mostrado no Gráfico nº 1, onde se encontra registrado que grande parte dos depósitos foram efetuados primeiro no Japão.

Cotejando o resultado obtido dos maiores depositantes nos Alertas já publicados, disponíveis para consulta em http://www.inpi.gov.br/portal/artigo/alerta_tecnologico, observa-se que as 4 empresas com competência no setor automobilístico detem um número expressivo de documentos, o que reflete a importância conferida à pesquisa para esta aplicação.

Tabela 1: Relação dos principais depositantes e do nº de pedidos de patente publicados no 1º semestre de 2012

Nome do Depositante	Total de Documentos
TOYOTA MOTOR CO LTD [JP]	239
PANASONIC CORP [JP]	131
HONDA MOTOR CO LTD [JP]	110
HYUNDAI MOTOR CO LTD [KR]	92
GM GLOBAL TECH OPERATIONS INC [US]	68
DAIMLER AG [DE]	58
NISSAN MOTOR [JP]	52
TOYOTA MOTOR CORP [JP]	38
KYOCERA CORP [JP]	36
TOTO LTD [JP]	36
KIA MOTORS CORP [KR]	34
SUMITOMO CHEMICAL CO [JP]	28
COMMISSARIAT ENERGIE ATOMIQUE [FR]	27
TOSHIBA CORP [JP]	27
NGK INSULATORS LTD [JP]	25
SAMSUNG SDI CO LTD [KR]	25
SAMSUNG ELECTRONICS CO LTD [KR]	23
NIPPON SOKEN [JP]	23
KOREA ENERGY RESEARCH INST [KR]	23
BASF SE [DE]	23
UTC POWER CORP [US]	21
DAINIPPON PRINTING CO LTD [JP]	20
SUMITOMO ELECTRIC INDUSTRIES [JP]	20
TOPPAN PRINTING CO LTD [JP]	17
BIC SOC [FR]	15
NGK SPARK PLUG CO [JP]	15
SONY CORP [JP]	15
JX NIPPON OIL & AMP ENERGY CORP [JP]	15

Fonte: INPI

A Tabela nº 2, a seguir, apresenta o número do pedido, com sua(s) prioridade(s), o(s) nome(s) depositante(s), a classificação internacional atribuída ao documento e seu título. Os pedidos de patente cujos nomes dos depositantes não foram indexados na base consultada não foram incluídos nesta tabela e podem ser consultados no Anexo II.

Tabela 2: Dados bibliográficos dos pedidos de patente sobre tecnologias relativas a células a combustível publicados no mundo no 1º semestre de 2012

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
JP4919309B2 B2 20120418		JP20090263305 20091118; WO2010JP06781 20101118; JP20110541817 20101118	B01J23/42; B01J23/62; B01J23/63; B01J37/02; H01M4/86; H01M4/92	(METAL OXIDE)-PLATINUM COMPOSITE CATALYST, AND PROCESS FOR PRODUCTION THEREOF
AU2010278674 A1 20120209	UNIV MURDOCH	AU20090903544 20090729; WO2010AU00959 20100729; AU20100278674 20100729	H01M8/20; H01M8/16; H01M8/18; H01M12/00; H01M14/00	A bioelectrochemical cell system
CN102405546 A 20120404	CERES IP CO LTD [GB]	WO2009GB02760 20091126; GB20080021700 20081127	H01M8/00; F24H9/06; F24H9/20	A boiler unit
AU2010269073 A1 20120202	CERAMIC FUEL CELLS LTD [AU]	AU20090903255 20090710; WO2010AU00882 20100709; AU20100269073 20100709	B23K1/19; B23K35/24; B23K35/38; H01M8/02	A brazing process
KR20120036943 A 20120418	SUED CHEMIE INC [US]	US20090479277 20090605	C10L3/10; B01J20/18; B01J20/20; H01M8/06	A DESULFURIZATION SYSTEM AND METHOD FOR DESULFURIZING A FUEL STREAM

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
WO2012049616 A1 20120419	UNIV RAMOT [IL]; NANERGY ALTERNATIVE ENERGY LTD [IL]; PATOLSKY FERNANDO [IL]; FILANOVSKY BORIS [IL]; GRANOT ERAN [IL]; PRESSMAN IGOR [IL]; KURAS ILIA [IL]; OSIROFF RICARDO [IL]; SHAPIRA OPHER [IL]	US20100392988P 20101014	H01M8/22; H01M4/86; H01M4/90; H01M8/02; H01M8/10	A DIRECT LIQUID FUEL CELL HAVING AMMONIA BORANE, HYDRAZINE, DERIVATIVES THEREOF OR/AND MIXTURES THEREOF AS FUEL
KR20120032270 A 20120405	HYUNDAI ROTEM CO [KR]	KR20100093831 20100928	H01M12/06; C09K3/10; H01M2/02; H01M8/02	A FUEL CASSETTE FOR ZINC-AIR FUEL CELL
KR20120064630 A 20120619	YOKOGAWA ELECTRIC CORP [JP]	JP20100274391 20101209; JP20100274392 20101209; JP20100292433 201012	G01R31/36; G01R27/02; H01M8/04	A FUEL CELL EVALUATOR AND A FUEL CELL EVALUATION METHOD
KR101157992B B1 20120619	H2 INC [KR]	KR20110117171 20111110	H01M8/24; H01M8/02; H01M8/18	A FUEL CELL OR REDOX FLOW BATTERY WITH PIN- LESS STACK ASSEMBLY
KR20120017596 A 20120229	SAMSUNG SDI CO LTD [KR]	KR20100080291 20100819	H01M8/04; G01R31/36; H01M8/24; H02H7/18	A FUEL CELL SYSTEM WITH BYPASS-CIRCUIT AND THE DRIVING METHOD THEREOF

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
AU2010316633 A1 20120614	CUF QUIMICOS IND S A	PT20090104812 20091106; WO2010IB55045 20101105	B01J19/24; C07C209/02; H01M8/06	A hydrogen or oxygen electrochemical pumping catalytic membrane reac
KR20120049598 A 20120517	RES INST IND SCIENCE & TECH [KR]	KR20100110936 20101109	H01M8/12; B05D1/02; H01B1/08; H01M8/02	A METAL SHEET-SUPPORTED SOLID OXIDE FUEL CELL AND THE METHOD FOR PRO
KR20120022354 A 20120312	TS CONNECT & AMP DEV CO LTD [KR]	KR20100085881 20100902	H01M8/12; B05D3/10; C04B41/81; H01M8/02	A METHOD FOR COATING CONNECTING MATERIAL OF SOLID OXIDE FUEL CELL AND AN APPARATUS FOR PROCESSING REDUCTION REACTION AND COATING FOR COATING CONNECTING MATERIAL OF SOLID OXIDE FUEL CELL
CN102484260 A 20120530	PANASONIC CORP [JP]	WO2010JP73479 20101217; JP20100022936 20100204	H01M8/02; H01B1/06; H01B13/00; H01M8/10	A method for fabricating a polymer electrolyte membrane for a fuel cell
JP2012508446 A 20120405		US20080112707P 20081107; WO2009US63571 20091106	H01M16/00; H01G9/155; H01M8/00; H01M8/04; H01M8/10; H01M10/052; H01M14/00	A METHOD FOR MANUFACTURE AND STRUCTURE OF MULTIPLE ELECTROCHEMISTRIES AND ENERGY GATHERING COMPONENTS WITHIN A UNIFIED STRUCTURE
JP2012513074 A 20120607		TR20080006202 20080819; WO2009IB53652 20090819	H01M8/04; H01M8/24	A METHOD FOR PRODUCING AND INTEGRATION OF DIRECT SODIUM BOROHYDRIDE FUEL CELL
KR20120060000 A 20120611		KR20100121543 20101201	H01M8/12; H01B1/08; H01M8/02;	A method for producing the fuel electrode side diffusion barrier lay

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
			H01M8/24	
KR101130575B B1 20120412	H2 INC [KR]	KR20110117174 20111110	H01M8/18; C01G31/02; H01B1/06; H01M8/02	A METHOD FOR PRODUCING VANADIUM ELECTROLYTE FROM SLIGHTLY SOLUABLE V2O5 BY USING VANADIUM REDOX FLOW BATTERY STACK
EP2405514 A1 20120111	UNIV DENMARK TECH DTU [DK]	EP20100007032 20100707	H01M4/86; C04B35/64; H01M4/88; H01M8/12	A method for sintering
JP4944298B2 B2 20120530		US19970927739 19970911; WO1998US18938 19980911	B01J37/02; C23C14/18; C23C16/26; C23C16/30; C23C16/44; C23C16/48; H01M4/86; H01M4/88; H01M4/90; H01M4/96; H01M8/10; H01M4/92	A METHOD OF DEPOSITING AN ELECTROCATALYST AND ELECTRODES FORMED BY SUCH METHOD
KR20120038829 A 20120424	RES INST IND SCIENCE & TECH [KR]	KR20100100499 20101014	H01M8/12; C04B38/00; H01B1/08; H01M8/02	A METHOD OF PRODUCING A AIR ELECTRODE FOR A SOLID OXIDE FUEL CELL
KR20120030788 A 20120329	RES INST IND SCIENCE & TECH [KR]	KR20100092525 20100920	H01M8/12; B05B1/02; H01B1/08; H01M8/02	A METHOD OF PRODUCING A CELL FOR A METAL-SUPPORTED SOLID OXIDE FUEL CELL

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
EP2409169 A1 20120125	VITO NV [BE]	WO2010EP53550 20100318; EP20090155534 20090318; EP20100710019 20100318	G01R31/36; G01R31/02; G01R31/04; H01J7/00; H01M8/00	A POWER CELL SYSTEM WITH MEANS FOR DETECTING A DISCONTINUITY
KR20120029289 A 20120326	KOREA ELECTRONICS TECHNOLOGY [KR]	KR20100091295 20100916	H01M8/18; H01M8/02	A REDOX FLOW SECONDARY CELL WITH CARBON FELT ELECTRODE APPLIED PLASMA SURFACE TREATMENT
EP2415109 A2 20120208	LOTUS CAR [GB]	WO2010GB00630 20100330; GB20090005469 20090330	H01M8/00; B60K6/00; B60L11/18; H01M8/04	A REHEATED GAS TURBINE SYSTEM, IN PARTICULAR SUCH A SYSTEM HAVING A FUEL CELL
KR20120053881 A 20120529	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100115230 20101118	H01M8/24; B60L11/18; H01M8/04; H01M8/10	A SINGLE BODY TYPE DISTRIBUTION BLOCK INTEGRATED WITH END-PLATE AND
JP2012505499 A 20120301		AU20080905267 20081009; WO2009AU01335 20091009	H01M8/02; H01M4/88; H01M8/12	A SOLID OXIDE FUEL CELL OR SOLID OXIDE FUEL CELL SUB-COMPONENT AND METHODS OF PREPARING SAME
WO2012013460 A1 20120202	SAUNDERS GARY [GB]; BOZZOLO MICHELE [GB]; BUTLER PHILIP [GB]; AGNEW GERARD [GB]; ROLLS ROYCE FUEL CELL SYSTEMS LTD [GB]	GB20100012775 20100730	H01M8/04; H01M8/12	A SOLID OXIDE FUEL CELL SYSTEM

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
GB2486001 A 20120606	ROLLS ROYCE FUEL CELL SYSTEMS LTD [GB]	GB20100020289 20101201	H01M8/06	A solid oxide fuel cell system and a method of operating a solid oxi
KR20120040311 A 20120427	KOREA ADVANCED INST SCI & TECH [KR]	KR20100101648 20101019	H01M8/06; C01B3/02; H01M8/04; H01M8/10	A SYSTEM FOR POLYELECTROLYTE TYPE FUEL CELL AND A METHOD FOR OPERATING THE SYSTEM
KR20120063051 A 20120615	HYUNDAI ROTEM CO [KR]	KR20100124066 20101207	H01M12/06; G05D7/00; H01M8/04	A ZINC - AIR FUEL CELL VARIABLE AIR FEED MECHANISM
AT547816T T 20120315	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20050053093 20051011; WO2006EP67209 20061009	H01M8/02; H01M8/24	ABGEDICHTETER BRENNSTOFFZELLENSTAPEL
CN102473949 A 20120523	Fuelcell Power Inc; Samchully Co., Ltd.	WO2010KR04402 20100706; KR20090070975 20090731	H01M8/04; B01D53/02; B01D53/48	Absorption-type desulfurizer
US2012021306 A1 20120126	UTC POWER CORP [US]	US	H01M8/04; F25J3/00; F28D7/16; F28D15/00; F28F1/18; H01M8/06	ACID FUEL CELL CONDENSING HEAT EXCHANGER
PL391833 A1 20120116	INST TECH ELEKTRONOWEJ [PL]	PL20100391833 20100714	H01L21/00; B81C1/00; F16K15/00; H01L21/3065; H01L27/00; H01M8/04	Active element of a silicon check microvalve and method for manufacturing this element
DE102010052653 A1 20120531	DAIMLER AG [DE]	DE201010052653 20101126	H01M8/04	Adapter device for fluid-to-fluid exchanger in fuel cell system for

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US2012088177 A1 20120412	GM GLOBAL TECH OPERATIONS INC [US]	US201113328470 20111216; US20080145597 20080625	H01M8/04	ADAPTIVE COMPRESSOR SURGE CONTROL IN A FUEL CELL SYSTEM
JP2012045526 A 20120308	TOYO SEIKAN KAISHA LTD; TOKAN MATERIAL TECHNOLOGY CO LTD	JP20100192516 20100830	B01J20/22; C10L3/10; H01M8/06	ADSORBENT FOR SULFUR COMPOUND AND METHOD FOR ADSORBING SULFUR COMPOUND BY USING THE SAME
WO2012057727 A1 20120503	UTC POWER CORP [US]; YAMANIS JEAN [US]; TEW DAVID E [US]; JUNKER SVE	US	H01M8/06; B01D53/04; B01J20/02; H01M8/04	ADSORBER ASSEMBLY
JP2012501362 A 20120119		EP20080163363 20080901; EP20080173009 20081229; WO2009EP61086 20090827	C10G25/00; B01D53/02; B01D53/04; B01D53/14; B01J20/06; B01J20/34; B01J23/78; B01J38/02; C01B3/38; C10L3/10	ADSORBER MATERIAL AND METHOD FOR DESULFURIZATION OF HYDROCARBON GASES

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JP2012506127 A 20120308		US20080105294P 20081014; WO2009US60643 20091014	H01M8/02; C01F17/00; C01G29/00; C01G41/00; C01G55/00; C04B35/00; C04B35/50; H01M4/86; H01M4/88; H01M8/12	ADVANCED MATERIALS AND DESIGN FOR LOW TEMPERATURE SOFCS
US2012164544 A1 20120628	UNIV MASSACHUSETTS [US]	US20100976235 20101222	H01M8/16; H01M8/04	AEROBIC MICROBIAL FUEL CELL
US2012115068 A1 20120510	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/22; H01M2/02; H01M4/86; H01M8/04	AIR BATTERY MODULE
US2012077094 A1 20120329	EMPIRE TECHNOLOGY DEV LLC [US]	US	H01M8/18; B29C44/06; H01M4/86	Air Cathode Tubes for Rechargeable Metal Air Batteries
CN102423581 A 20120425	UNIV TONGJI	CN20111254273 20110831	B01D46/00; B01D53/04; B01D53/74; B01D53/82; H01M8/04	Air filter for fuel cell system
KR20120058194 A 20120607		KR20100119867 20101129	F02B37/00; F01N13/08; H01M8/02; H01M8/24	Air supply system for fuel cell at Turbo_charger engine
CN102315470 A 20120111	Harbin Institute of Technology	CN20111220762 20110803	H01M8/10; H01M4/86	Air-breathing micro fuel cell

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WO2012053246 A1 20120426	SUZUKI MOTOR CORP [JP]; MATSUMOTO SHIRO [JP]	JP20100236186 20101021	B60K11/06; B60K1/04; B60K8/00; B60K13/02; H01M8/00; H01M8/04; H01M8/10	AIR-COOLED FUEL CELL VEHICLE
CN102473928 A 20120523	HYUNDAI HYSKO [KR]	WO2009KR04356 20090804; KR20090071019 20090731	H01M8/02; H01M8/24	Air-cooled metal separator for fuel cell and fuel cell stack using same
CN202282420U U 20120620	Beijing Institute of Space Launch Technology;China Academy of Launch Vehicle Technology	CN20112377835U 20110928	H01M8/02; H01M8/04	Air-cooled type fuel battery with combined gas distribution device
US2012068008 A1 20120322	AIRBUS [FR]	FR20090002941 20090617; WO2010FR51177 20100614	B64D41/00; H01M8/00	Aircraft Provided With A Fuel Cell System
CA2758549 A1 20120516	ROLLS ROYCE CORP [US]	US20100947424 20101116	B64D41/00; B64D3/00; F01D19/00; F02C7/275; F02C7/32; F02C7/36	AIRCRAFT, PROPULSION SYSTEM, AND SYSTEM FOR TAXIING AN AIRCRAFT
US2012040274 A1 20120216	GORDON JOHN HOWARD [US]	US201113195431 20110801; US20100372763P 20100811	H01M8/08	ALKALI METAL AQUEOUS BATTERY

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US2012052413 A1 20120301	EVEREADY BATTERY INC [US]	US201113288102 20111103; US20080109419 20080425; US20070933552 20071101; US20060855876P 20061101	H01M8/08; C25B9/00; C25D3/58; H01M4/38; H01M4/50; H01M4/54; H01M4/583; H01M8/00; H05K13/00	Alkaline Electrochemical Cell with Reduced Gassing
CN102368559 A 20120307	Zhejiang University	CN20111340069 20111101	H01M4/90; H01M8/16	Alkaline microbial fuel cell
CN202268439U U 20120606	Zhuhai Liyuan New Energy Technology Co., Ltd.	CN20112376329U 20110929	H01M4/66; H01M8/18; H01M8/24	All vanadium flow battery current collector and all vanadium flow battery with such current collector
CN102332596 A 20120125	Shanghai Jiao Tong University	CN20111234451 20110816	H01M8/18	All-iron redox energy storage cell, electrolyte of battery and preparation method of electrolyte
CN202259598U U 20120530	CHINA ELECTRIC POWER RES INST	CN20112385495U 20111012	H01M12/06; H01M4/86; H01M8/02	Aluminium/ hydrogen peroxide unit battery
AT550799T T 20120415	3M INNOVATIVE PROPERTIES CO [US]	US20010027608 20011219; WO2002US33743 20021022	H01M4/86; H01M8/02; C08K5/32; C08K9/04; H01M4/88; H01M4/96	AMINOXIDE- BESCHICHTUNGSZUSAMMENSETZUNGEN
US2012148925 A1 20120614	GRANNELL SHAWN [US]; GILLESPIE DONALD E [US]	US201213370910 20120210; US201113117532 20110527; US20100348898P 201	H01M8/06; B01J7/00; C01B3/04	AMMONIA FLAME CRACKER SYSTEM, METHOD AND APPARATUS

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WO2012063846 A1 20120518	HITACHI SHIPBUILDING ENG CO [JP]; HIKAZUDANI SUSUMU [JP]; MORI TAKUM	JP20100250538 20101109	B01J23/63; B01J23/28; B01J23/34; B01J23/76; C01B3/04	AMMONIA OXIDATION/DECOMPOSITION CATALYST
KR20120027726 A 20120322	HALLA CLIMATE CONTROL CORP [KR]	KR20100089483 20100913	F04D25/06; B60H1/00; F04D29/00; H01M8/04	AN AIR BLOWER FOR FUEL CELL VEHICLE
KR20120056060 A 20120601		KR20100117578 20101124	B01D53/86; H01M8/04	AN EXHAUST GAS COMBUSTOR OF FUEL CELL HAVING A DUMMY LAYER
KR20120056069 A 20120601		KR20100117587 20101124	B01D53/86; H01M8/04	AN EXHAUST GAS COMBUSTOR OF FUEL CELL HAVING A METAL FORM LAYER
KR20120056054 A 20120601		KR20100117570 20101124	B01D53/86; H01M8/04	AN EXHAUST GAS COMBUSTOR OF FUEL CELL HAVING TWO DIFFERENT CATALYST
EP2460217 A1 20120606	INFINITY FUEL CELL AND HYDROGEN INC [US]	US20090533258 20090731; WO2010US43715 20100729	H01M8/04; H01M8/02	AN IMPROVED ELECTROCHEMICAL CELL
TW201217812 A 20120501	ATOMIC ENERGY COUNCIL [TW]	TW20100135884 20101021	G01R31/36; H01M8/00	An open flat detecting device for solid-oxide fuel cell
KR20120040872 A 20120430	NAT UNIV GYEONGSANG IACF [KR]	KR20100102361 20101020	H01M8/16; C12M1/40; G01N27/327; H01M8/02	AN ORIENTED DUAL LAYERED ELECTRODE FOR ENZYME FUEL CELL AND A METHOD THEREOF
US2012148939 A1 20120614	JAPAN ATOMIC ENERGY AGENCY [JP]	JP20100274554 20101209	H01M8/10	ANION EXCHANGE MEMBRANE

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EP2468804 A1 20120627	SEC DEP FOR DEFENCE DSLTL [GB]	EP20080701926 20080125; GB20070001449 20070126	C08J5/22; C08J7/18; H01M8/10	Anion exchange membranes
EP2401785 A1 20120104	UNIV CALIFORNIA [US]	WO2009US05553 20091009; US20080136875P 20081010	H01M8/16	ANION/HYDROXIDE EXCHANGE FUEL CELLS COMPRISING IONOMERS AND MEMBRANES
CN102451620 A 20120516	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101524782 20101029	B01D71/06; B01D67/00; B01J41/12; C08J7/12; H01M2/16; H01M8/02	Anion-exchange membrane and preparation and application thereof
US2012009505 A1 20120112	SAINT GOBAIN CERAMICS [US]	US201113197909 20110804; US20100982054 20101230; US20090335085P 20091231	H01M8/00; C21D9/00	ANISOTROPIC CTE LSM FOR SOFC CATHODE
CN102315464 A 20120111	Harbin Institute of Technology	CN20111244444 20110825	H01M8/02; H01M8/10	Anode binary-channel charging direct dimethyl ether fuel cell and power generation method thereof
KR20120007185 A 20120120	UNIV YONSEI IACF [KR]	KR20100067801 20100714	H01M4/90; B01J23/10; B01J23/755; H01M8/12	ANODE CATALYST FOR SOLID OXIDE FUEL CELL AND METHOD FOR PREPARING THE SAME
US2012107705 A1 20120503	GM GLOBAL TECH OPERATIONS INC [US]	US20100913324 20101027	H01M8/04	ANODE GAS COMPOSITION UTILIZING H2 INJECTION PRESSURE WAVE PROPAGATI

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US2012021332 A1 20120126	INER AEC EXECUTIVE YUAN [TW]	TW20100124323 20100723	H01M4/90; B05D1/12; H01M4/88; H01M8/12	ANODE ON A PRETREATED SUBSTRATE FOR IMPROVING REDOX-STABILITY OF SOLID OXIDE FUEL CELL AND THE FABRICATION METHOD THEROF
KR20120021841 A 20120309	POSBEE [KR]	KR20100080253 20100819	H01M8/12; B05D1/18; C04B35/01; H01M8/04	ANODE SUPPORT FOR SOLD OXIDE FUEL CELL AND MANUFACTURING METHODS THEREOF
JP2012059476 A 20120322	NIPPON CATALYTIC CHEM IND [JP]	JP20100200423 20100908	H01M8/02; C04B35/00; H01M4/86; H01M8/12	ANODE SUPPORT TYPE HALF CELL AND METHOD FOR MANUFACTURING THE SAME, AND ANODE SUPPORT TYPE CELL
KR20120064523 A 20120619	KOREA INST SCI & TECH [KR]	KR20100125799 20101209	H01M8/12; C04B38/10; H01M8/02	ANODE SUPPORT USING SPHERICAL PORE FORMER AND SOLID OXIDE FUEL CELL
US2012045707 A1 20120223	KOREA ENERGY RESEARCH INST [KR]	KR20100080353 20100819	H01M8/24; H01M8/00	ANODE SUPPORTED FLAT-TUBE SOFC AND MANUFACTURING METHOD THEREOF
KR20120051874 A 20120523	KOREA ENERGY RESEARCH INST [KR]	KR20100113200 20101115	H01M8/12; H01M8/02; H01M8/24	ANODE SUPPORTED TUBULAR UNIT CELL FOR SOLID OXIDE FUEL CELL AND MANU
JP2012059402 A 20120322	TOYOTA MOTOR CORP [JP]; CATALER CORP	JP20100198916 20100906	H01M8/02; H01M4/86; H01M8/10	ANODE-SIDE AND CATHODE-SIDE ELECTRODE CATALYSTS, FILM ELECTRODE ASSEMBLY, AND FUEL BATTERY CELL
EP2426763 A1 20120307	W L GORE & AMP ASSOCIATES CO LTD [JP]	WO2010JP57638 20100422; JP20090108331 20090427	H01M4/90; H01M4/96; H01M8/10	ANODE-SIDE CATALYST COMPOSITION FOR FUEL CELL AND MEMBRANE ELECTRODE ASSEMBLY (MEA) FOR SOLID POLYMER-TYPE FUEL CELL

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WO2012057236 A1 20120503	W L GORE & AMP ASSOCIATES CO LTD [JP]; MARUYAMA MASASHI [JP]; SAKAMOTO A	JP20100239433 20101026	H01M4/90; H01M4/86; H01M8/10	ANODE-SIDE CATALYST COMPOSITION FOR FUEL CELLS, AND MEMBRANE ELECTRO
US2012003565 A1 20120105	KOREA INST SCI & TECH [KR]	KR20090022365 20090316; KR20090023390 20090319; WO2010KR01620 20100316	H01M4/86; B05D1/04; B05D3/02; C23C14/34; C23C16/48; H01M8/00; H01M8/10	ANODE-SUPPORTED SOLID OXIDE FUEL CELL COMPRISING A NANOPOROUS LAYER HAVING A PORE GRADIENT STRUCTURE, AND A PRODUCTION METHOD THEREFOR
AT557443T T 20120515	SAMSUNG ELECTRONICS CO LTD [KR]	KR20090096397 20091009	H01M8/10; H01M8/12	ANORGANISCHER PROTONLEITER UND VERFAHREN ZUR HERSTELLUNG EINES ANORG
CN102396093 A 20120328	Mcalister Technologies LLC	WO2010US24498 20100217; US20090153253P 20090217; US20090237476P	H01M8/16	Apparatus and method for controlling nucleation during electrolysis
US2012077106 A1 20120329	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100094052 20100929	H01M8/24	APPARATUS AND METHOD FOR GENERATING VIRTUAL SOUND SOURCE FOR MONITORING THE OPERATING STATE OF A FUEL CELL STACK
JP2012091372 A 20120517	AMAZ TECHNO CONSULTANT LLC	JP20100239562 20101026	B32B43/00; H01G9/00; H01M4/04; H01M10/04	APPARATUS AND METHOD FOR MANUFACTURING LAMINATE
CN102403523 A 20120404	UNIV SHANGHAI JIAOTONG	CN20111273376 20110915	H01M8/16; C02F1/30; C02F1/46; C02F1/70; C02F1/72	Apparatus and method for processing organic wastewater by using TiO ₂ -based photocatalytic composite-electrode fuel cell

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JP2012015090 A 20120119	EQUOS RES CO LTD	JP20100125400 20100531; JP20100293141 20101228	H01M4/88; H01M8/10	APPARATUS AND METHOD FOR PRODUCING FUEL CELL CATALYST LAYER
US2012005885 A1 20120112	OORJA PROTONICS INC [US]	US201113178858 20110708; US20100363167P 20100709	H01M8/24; H01M8/00	APPARATUS AND METHOD FOR STACKING FUEL CELLS
US2012003568 A1 20120105	ANGSTROM POWER INC [CA]	US201113172645 20110629; US20100980130 20101228; US20090290450P 20091228	H01M8/02; H01M2/20	APPARATUS AND METHODS FOR CONNECTING FUEL CELLS TO AN EXTERNAL CIRCUIT
EP2436075 A1 20120404	LIFE TECHNOLOGIES CORP [US]	WO2010US01553 20100527; US20090475311 20090529; US20100306924P 20100	H01M8/04; H01M8/10	APPARATUS AND METHODS FOR PERFORMING ELECTROCHEMICAL REACTIONS
WO2012005277 A1 20120112	RENAISSANCE ENERGY RES CORP [JP]; OKADA OSAMU [JP]; NAKAYAMA MAIKO [JP]; MORIMOTO KAORI [JP]; ITO CHIHIRO [JP]; NAGAOKA KATSUTOSHI [JP]	JP20100153531 20100706	C01B3/48; H01M8/06	APPARATUS AND PROCESS FOR CARBON MONOXIDE SHIFT CONVERSION, AND HYDROGEN PRODUCTION EQUIPMENT

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KR20120056562 A 20120604		KR20100118162 20101125	H01M8/04; B65D88/00; F24D3/00; G05D7/00	apparatus for constant supply and drain of water tank and method for
KR20120025895 A 20120316	UNIV HOSEO ACAD COOP FOUND [KR]	KR20100088071 20100908	G01N27/02; G01N27/06; G01N27/22; H01M8/04	APPARATUS FOR DIAGNOSING DETERIORATION OF HEAT TRANSFER OIL
KR101106237B B1 20120120	KOREA ENERGY RESEARCH INST [KR]	KR20100074324 20100730	H01M8/24; H01M8/12	APPARATUS FOR FASTENING FUEL CELL STACK
KR20120026291 A 20120319	SAMSUNG HEAVY IND [KR]	KR20100088433 20100909	H01M8/24; B30B9/00; H01M8/04	APPARATUS FOR FIXING STACK OF FUEL CELL
AU2010289291 A1 20120329	ROLLS ROYCE FUEL CELL SYSTEMS US INC [US]	US20090554460 20090904; WO2010US47850 20100903	H01M8/18	Apparatus for generating a gas which may be used for startup and shutdown of a fuel cell
KR20120047725 A 20120514	HYUNDAI HYSKO [KR]	KR20100109451 20101104	H01M8/04; B32B38/04; B32B41/00; G01N21/00	APPARATUS FOR MANUFACTURING FUEL CELL HAVING MEMBRANE ELECTRODE ASSE
KR20120022145 A 20120312	HYUNDAI HYSKO [KR]	KR20100085343 20100901	H01M4/88; B32B37/00; B32B37/10; H01M8/10	APPARATUS FOR MANUFACTURING FUEL CELL HAVING MEMBRANE ELECTRODE ASSEMBLY AND GAS DIFFUSION LAYER IMPROVED STACK PRECISION, QUALITY AND THE METHOD FOR MANUFACTURING THE SAME

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WO2012077292 A1 20120614	SINTOKOGIO LTD [JP]; NAGASAKA MASAHIKO [JP]; NAKAJIMA SHOGO [JP]; NOZAWA TAKAYUKI [JP]; SUGINO OSAMU [JP]; MISHIMA IKUTO [JP]	JP20100271494 20101206	B32B37/10	APPARATUS FOR MANUFACTURING JOINED LAMINATED MEDIA AND METHOD OF MAN
KR20120052611 A 20120524	KOREA ENERGY RESEARCH INST [KR]	KR20100113853 20101116	G01R19/165; H01M8/04; H01M10/48	APPARATUS FOR MEASURING VOLTAGE OF FUEL CELL STACK
KR20120016367 A 20120224	KOREA ENERGY RESEARCH INST [KR]	KR20100078662 20100816	H01M8/12; B30B11/22; H01M8/02; H01M8/04	APPARATUS FOR PRODUCING FLAT-TUBULAR ELECTRODE SUPPORTER AND THE METHOD
KR20120050908 A 20120521	SUMITOMO SEIKA CHEMICALS [JP]	JP20100252927 20101111	C01B3/48; B01J19/24; C01B3/26; H01M8/06	APPARATUS FOR PRODUCING HYDROGEN GAS
US2012145550 A1 20120614	HYUNDAI MOTOR CO LTD [KR]	KR20100125822 20101209	B01D61/54; B01D61/46; H01M2/40; H01M8/04	APPARATUS FOR REMOVING IONS IN COOLING WATER FOR FUEL CELL VEHICLE
KR20120012264 A 20120209	KOREA ENERGY RESEARCH INST [KR]	KR20100074311 20100730	H01M8/12; C09K3/10; H01M2/08; H01M8/04	apparatus for sealing of flat-tubular solid oxide unit cell

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JP2012501055 A 20120112		DE200810045170 20080830; DE200810058960 20081125; WO2009EP06223 20090827	H01M8/04; H01M8/00; H01M8/24	APPARATUS FOR SUPPLYING A FUEL CELL IN A FUEL CELL SYSTEM WITH FUEL GAS
US2012150373 A1 20120614	HYUNDAI MOTOR CO LTD [KR]	KR20100125690 20101209	B60L11/18; H01M8/04	APPARATUS FOR SUPPLYING POWER TO TRANSMITTER OF FUEL CELL VEHICLE
KR20120056499 A 20120604		KR20100118074 20101125	H01M8/04; G01M3/00; G01N15/08; H01M8/10	Apparatus for testing airtightness of the Flow field plate and the t
CN102324540 A 20120118	Nanjing Normal University	CN20111274237 20110916	H01M8/10	Application of EDTA (Ethylene Diamine Tetraacetic Acid) to electrolyte additive in direct formic acid fuel cell
KR20120019568 A 20120307	UNIV YONSEI IACF [KR]	KR20100082830 20100826	H01M8/02; C23C28/02; H01M8/10; H05K3/00	APPLYING AN IMPROVED CURRENT COLLECTOR FOR DIRECT METHANOL FUEL CELL
JP2012067216 A 20120405	JSR CORP [JP]	JP20100213980 20100924	C08G65/40; C08G75/23; C08J5/22; H01B1/06; H01M8/02; H01M8/10	AROMATIC COPOLYMER AND ITS USE
WO2012017960 A1 20120209	JSR CORP [JP]; YAMAKAWA YOSHITAKA [JP]; HIGAMI MAKOTO [JP]; TAKASUGI SHINGO [JP]	JP20100174897 20100803	C08G61/00; C08J5/22; H01B1/06; H01M8/02; H01M8/10	AROMATIC COPOLYMER HAVING SULFONATE GROUP, AND APPLICATION THEREOF

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WO2012017965 A1 20120209	JSR CORP [JP]; YAMAKAWA YOSHITAKA [JP]; KADOTA TOSHIAKI [JP]; MURAKAMI TAKUYA [JP]; ROZHANSKII IGOR [JP]	JP20100292598 20101228; JP20100174898 20100803	C08G61/10; C08J5/22; H01B1/06; H01M8/02; H01M8/10	AROMATIC COPOLYMER WITH SULFONIC ACID GROUPS AND USES THEREOF
WO2012016780 A1 20120209	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]; FEDURCO MILAN [FR]	FR20100056440 20100804	C07C49/813; C07C49/83; C07C309/44; C08G65/40; H01M8/02; H01M8/10	AROMATIC PERFLUOROALKANE MONOMER
KR20120044973 A 20120508	BASF SE [DE]	EP20090162858 20090616	C08G75/23; B01D71/68; C08G65/00; H01M8/02	AROMATIC POLYETHERSULFONE BLOCK COPOLYMERS
EP2406845 A1 20120118	POWERCELL SWEDEN AB [SE]	SE	H01M8/06; C01B3/24; C01B3/34; C01B3/50	ARRANGEMENT AND METHOD FOR GENERATING HYDROGEN FROM HYDROCARBON FUEL
CN102306816 A 20120104	South China University of Technology	CN20111169987 20110622	H01M8/10; H01M2/20; H01M4/86; H01M8/02; H01M8/04	Array tube type auto-respiration direct methanol fuel battery system
CN202111179U U 20120111	South China University of Technology	CN20112213801U 20110622	H01M8/02; H01M8/04; H01M8/10	Array-pipe type self-breathing direct methanol fuel cell system

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WO2012026232 A1 20120301	SUZUKI MOTOR CORP [JP]; TAKADA YOHEI [JP]; IKEYA KENGO [JP]; MATSUMOTO YOSHIMASA [JP]; HIROTA KAZUYUKI [JP]	JP20100186753 20100824	H01M8/04; B60H1/22; B60K11/06; H01M8/00	ASPIRATOR DEVICE FOR AIR-COOLED FUEL CELL
CN102420335 A 20120418	CHANGCHUN APPLIED CHEMISTRY	CN20111327664 20111025	H01M8/10; H01M4/86; H01M8/04	Assembling method of self-breathing type direct alcohol fuel cell
JP2012054014 A 20120315	KYOCERA CORP [JP]	JP20100193901 20100831	H01M8/02; H01M8/12	ASSEMBLY AND SOLID OXIDE FUEL BATTERY CELL
EP2424015 A1 20120229	SOLVAY [BE]	EP20100174543 20100830	H01M4/86; H01M8/10; H01M8/18	Assembly for reversible fuel cell
RO123422 B1 20120330	INST NATIONAL DE CERCETARE DEZVOLTARE PENTRU TEHNOLOGII CRIOGENICE SI IZOTOPICE I C S [RO]	RO20060000685 20060906	H01M8/02; H01M8/24	ASSEMBLY OF FUEL CELLS WITH PROTON EXCHANGE POLYMERIC MEMBRANE
US2012028148 A1 20120202	GM GLOBAL TECH OPERATIONS INC [US]	US201113251526 20111003; US20070874317 20071018	H01M8/04	ASSISTED STACK ANODE PURGE AT START-UP OF FUEL CELL SYSTEM
JP2012079478 A 20120419	DAIWA CAN CO LTD	JP20100221844 20100930	H01M8/04; B65D77/30	ATTACHING/DETACHING MECHANISM OF FUEL CELL CARTRIDGE

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DE102011055822 A1 20120621	GM GLOBAL TECH OPERATIONS INC [US]	US20100971982 20101217	H01M8/04	Auf Anodendruck basierende Flussabschätzung in einem Brennstoffzelle
AT538509T T 20120115	PRERAD VLADIMIR [US]	US20020091308 20020305; WO2003US06420 20030304	H01M8/06	AUF WASSERSTOFF BASIERENDE ENERGIESPEICHERVORRICHTUNG UND VERFAHREN
DE102011013840 A1 20120105	GM GLOBAL TECH OPERATIONS INC [US]	US20100726061 20100317	H01M8/10; C08J5/22	Aus löslichen Perfluorocyclobutanpolymeren mit Sulfonylchloridgruppen abgeleitete Polyelektrolytmembranen
EP2460904 A2 20120606	BAYERISCHE MOTOREN WERKE AG [DE]	DE201010053385 20101203	C22C38/42; C22C38/46; C22C38/48; C22C38/50; C22C38/58; H01M8/02	Austenitic steel for hydrogen technology
AT555060T T 20120515	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20080053255 20080520; WO2009FR50789 20090429	C01B3/02; C01B3/06; C01F17/00; C01G19/02; C01G23/04; C01G30/00; C01G31/02; C01G39/02; C01G45/02; C01G51/04; H01M8/06	AUTONOMES WASSERSTOFFERZEUGUNGSSYSTEM FÜR EIN BORDSYSTEM
FR2968461 A1 20120608	PIECES A PART [FR]	FR20100060156 20101207	H01M8/04	Autonomous electric energy producing device for use during electrica
CN102521523 A 20120627	Zhejiang University	CN20111443950 20111227	G06F19/00; H01M8/04	Autophagy membrane-computing optimization modeling method for fuel cell

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JP2012113931 A 20120614	NGK SPARK PLUG CO [JP]	JP20100261173 20101124	H01M8/04; H01M8/06	AUXILIARY DEVICE FOR FUEL CELL AND FUEL CELL
RU2440644 C1 20120120	FEDERAL NOE G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA VOENNYJ AVIAT INZ [RU]	RU20100143066 20101020	H01M8/04; H01M14/00	AVIATION POWER PLANT WITH GENERATOR ON FUEL ELEMENTS
CN102399722 A 20120404	UNIV NANJING	CN20111347512 20111107	C12N1/20; H01M8/16	Bacillus cereus with electrogenesis characteristic and application thereof in microbiological fuel cell
CN102399723 A 20120404	UNIV NANJING	CN20111347526 20111107	C12N1/20; H01M8/16	Bacillus with electrogenesis characteristic and application thereof to microbiological fuel cell
JP2012079619 A 20120419	TOKUYAMA CORP [JP]	JP20100225610 20101005	H01M8/02; C08F8/32; C08F255/00; C08J5/22; H01M8/10	BARRIER MEMBRANE FOR SOLID POLYMER FUEL CELL AND PRODUCTION METHOD THEREFOR
DE102011116780 A1 20120503	GM GLOBAL TECH OPERATIONS INC [US]	US20100913955 20101028	H01M2/16; H01M8/02	Batterieseparator
WO2012046971 A2 20120412	LG CHEMICAL LTD [KR]	US20100897135 20101004	H01M2/00; F28D9/00; F28F3/02; H01M8/24	BATTERY CELL ASSEMBLY, HEAT EXCHANGER, AND METHOD FOR MANUFACTURING HEAT EXCHANGER
JP4881488B1 B1 20120222	TOSHIBA CORP [JP]	JP20110227959 20111017	H02J17/00; H01M8/00; H01M8/04; H01M10/44;	BATTERY CHARGER, ELECTRONIC APPARATUS, AND ACCOMMODATION CASE

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			H02J7/00	
JP2012069496 A 20120405	DENSO CORP	JP20100215687 20100927	H01M10/50; B60L11/18; H01M8/04; H01M10/44; H01M10/48; H02M3/00	BATTERY HEATING DEVICE
EP2416431 A2 20120208	LG CHEMICAL LTD [KR]	WO2010KR01994 20100331; KR20090027937 20090401	H01M8/24; H01M2/10	BATTERY MODULE HAVING FLEXIBILITY IN DESIGN STRUCTURE OF MODULE AND MEDIUM TO LARGE SIZED BATTERY PACK INCLUDING THE SAME
JP2012047522 A 20120308	NIPPON SOKEN [JP]; DENSO CORP; TOYOTA MOTOR CORP [JP]	JP20100188145 20100825	G01R19/00; G01R31/02; H02J7/02	BATTERY STATE MONITOR
JP2012047521 A 20120308	NIPPON SOKEN [JP]; DENSO CORP; TOYOTA MOTOR CORP [JP]	JP20100188144 20100825	G01R19/00; H01M2/10; H02J7/02	BATTERY STATE MONITOR
JP2012047519 A 20120308	NIPPON SOKEN [JP]; DENSO CORP; TOYOTA MOTOR CORP [JP]	JP20100188142 20100825	G01R31/36; H01M2/10; H01M10/48; H02J7/00	BATTERY STATE MONITOR
US2012003507 A1 20120105	KRIEG BERENGAR [DE]	DE200910001514 20090312; WO2010EP51073 20100129	H01M10/42; H01M6/42; H01M6/50; H01M8/04; H01M8/24; H01M16/00	BATTERY SYSTEM HAVING AN OUTPUT VOLTAGE OF MORE THAN 60 V DIRECT CURRENT VOLTAGE

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KR20120033573 A 20120409	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100095162 20100930	B62D25/20; B60K1/04; H01M8/04; H01M10/50	BATTERY SYSTEM OF HYBRID FUEL CELL VEHICLE
DE102010041604 A1 20120329	SIEMENS AG [DE]	DE201010041604 20100929	H01M8/02; C25B9/20	Bauteil für eine Komponente zur Führung von Betriebsmedien in einem Zellstapel, Verfahren zur Herstellung eines Zellstapels sowie Zellstapel
EP2446500 A1 20120502	SIEMENS ENERGY INC [US]	WO2010US38589 20100615; US20090490495 20090624	H01M8/12; H01M8/24	BI CONTAINING SOLID OXIDE FUEL CELL SYSTEM WITH IMPROVED PERFORMANCE
US2012040254 A1 20120216	AMENDOLA STEVEN [US]; BINDER MICHAEL [US]; BLACK PHILLIP J [US]; SHARP-GOLDMAN STEFANIE [US]; JOHNSON LOIS [US]; KUNZ MICHAEL [US]; OSTER MICHAEL [US]; CHCIUK TESIA [US]; JOHNSON REGAN [US]	US20100854131 20100810	H01M4/02; C25B11/04; C25B13/00; H01M2/16; H01M4/04; H01M4/42; H01M8/22	BIFUNCTIONAL (RECHARGEABLE) AIR ELECTRODES
JP2012009313 A 20120112	SONY CORP [JP]	JP20100144829 20100625	H01M8/16; H01M4/90; H01M4/96	BIO FUEL CELL
GB2486303 A 20120613	INST CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK [PL]	PL20100393196 20101210	H01M4/90; B82Y30/00; H01M4/86; H01M8/16	Biocathode and zinc-oxygen cell including said biocathode

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CN102381753 A 20120321	University of Science and Technology of China	CN20111288409 20110926	C02F3/02; H01M8/16	Bioelectrochemical film reactor device
EP2462649 A1 20120613	UNIV WESTERN ONTARIO [CA]	US20090461340 20090807; WO2010CA01210 20100809	H01M8/16; C12M1/00; C12M1/04; C12P3/00; H01M2/16	BIO-FUEL CELL SYSTEM
US2012164558 A1 20120628	SUMITOMO CHEMICAL CO [JP]	JP20090210147 20090911; JP20100034430 20100219; WO2010JP66001 201009	H01M8/10; B01J31/10; C07C303/22; C07C309/39; C08G75/24	BIPHENYLTETRASULFONIC ACID COMPOUND, METHOD FOR PRODUCING SAME, POLY
DE102010062396 A1 20120606	THEODOR GRAEBENER GMBH & CO KG [DE]	DE201010062396 20101203	H01M8/02; C25B9/20	Bipolar half case structure of bipolar plate for fuel cell, has
DE102010062395 A1 20120606	THEODOR GRAEBENER GMBH & CO KG [DE]	DE201010062395 20101203	H01M8/02; C25B9/20	Bipolar half case structure of bipolar plate for fuel cell, has
DK2190048T T3 20120123	NISSHINBO HOLDINGS INC [JP]	JP20070236090 20070912; WO2008JP65703 20080902	H01M8/02; H01M8/10	Bipolär plade til brändselselle
TWM426886U U 20120411	TENSION ENERGY INC [TW]	TW100220020U 20111025	H01M8/24; G09B23/18	Bipolar plate and fuel cell teaching aids using the same
EP2417662 A2 20120215	ELCOMAX MEMBRANES GMBH [DE]	WO2010EP01412 20100306; DE200910016635 20090408	H01M8/02	BIPOLAR PLATE FOR FUEL OR ELECTROLYTE CELLS

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DE102010048762 A1 20120419	DAIMLER AG [DE]	DE201010048762 20101016	H01M8/02	Bipolar plate for fuel stack for vehicle, has membrane electrode arrangement comprises electrode that is coupled to channels of the inner structure
DE102010035254 A1 20120301	KARMANN GMBH W [DE]	DE201010035254 20100824	H01M8/02	Bipolar plate for polymer electrolyte membrane fuel cell, has channel structure conveying reaction medium from inflow aperture to outflow aperture, where medium is removable form flow field via exhaust region
DE102010035259 A1 20120301	KARMANN GMBH W [DE]	DE201010035259 20100824	H01M8/02	Bipolar plate for polymer electrolyte membrane fuel cell, has feed channel whose connecting portions are formed with connecting passages, where connecting passages have constant width and are connected to feed or discharge channel
KR20120037699 A 20120420	IUCF HYU [KR]	KR20100099313 20101012	H01M8/02; H01M8/24	BIPOLAR PLATE HAVING BYPASS CHANNELS AND ELECTROCHEMICAL STACK HAVING THE SAME
US2012094203 A1 20120419	FORD GLOBAL TECH LLC [US]	US20100904395 20101014	H01M8/04	Bipolar Plates for Electrochemical Cells
WO2012081792 A1 20120621	HYOSUNG CORP [KR]; HONG JONG-CHUL [KR]	KR20100129419 20101216	H01M8/02; B30B11/00; H01M8/10	BIPOLAR PLATES OF FUEL CELL AND STACK STRUCTURE USING SAME
AT556453T T 20120515	ELRINGKLINGER AG [DE]	DE200710060272 20071214; WO2008EP09952 20081125	H01M8/02; H01M8/12	BIPOLARPLATTE UND VERFAHREN ZUM HERSTELLEN EINER SCHUTZSCHICHT AN EI
DE102010056015 A1 20120628	DAIMLER AG [DE]	DE201010056015 20101223	H01M8/02	Bipolarplatte und Verfahren zur Herstellung einer Bipolarplatte
DE102010063410 A1 20120621	THEODOR GRAEBENER GMBH & CO KG [DE]	DE201010063410 20101217	H01M8/02; C25B13/02	Bipolarplatte von Brennstoffzellen- oder Elektrolyseurstacks

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AT550368T T 20120415	SUMITOMO CHEMICAL CO [JP]	JP20030339610 20030930	C08G75/23; B01D71/80; C08G65/38; C08G65/40; C08G81/00; C08J5/22; H01M4/86; H01M8/02; H01M8/10	BLOCKCOPOLYMER UND SEINE VERWENDUNG
KR20120067493 A 20120626	HYUNDAI MOBIS CO LTD [KR]	KR20100128913 20101216	H01M8/04; F04D29/00	BLOWER FOR HYDROGEN RECIRCULATION
JP4852815B2 B2 20120111		JP19990266067 19990920; WO2000JP06384 20000919; JP20010525782 20000919	H01M4/88; H01M4/96; H01M8/02; H01M8/10	BONDED ELECTRODE/FILM FOR SOLID POLYMER FUEL CELL AND METHOD FOR PRODUCING THE SAME
ES2372759T T3 20120126	EATON GMBH [AT]	AT20010000444 20010320	H01H71/08; H01M8/02; H01R4/36	BORNE LEVADIZO.
JP2012077346 A 20120419	KYUSHU INST OF TECHNOLOGY; TOHO TITANIUM CO LTD	JP20100222893 20100930	C22C14/00; C22B9/20; C22B9/22; C22F1/18; H01B1/02; H01B13/00; H01M8/02; H01M14/00	BORON-CONTAINING PURE TITANIUM MATERIAL, AND METHOD OF MANUFACTURING THE SAME
DK2270914T T3 20120123	ELECTRICITE DE FRANCE [FR]	FR20090053861 20090611	H01M8/06; H01M8/10; H01M8/12	Brändselselle med integreret hydrogenrensningsmembran
SE1000813 A1 20120203	GETT FUEL CELLS INTERNAT AB [SE]	SE20100000813 20100802	H01M8/10	Bränsleceller utan elektrolyter

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WO2012077733 A1 20120614	NHK SPRING CO LTD [JP]; YAMAUCHI YUICHIRO [JP]; SAITO SHINJI [JP]	JP20100274643 20101209	B23K35/30; C04B37/00; C04B37/02; C22C5/06; H01M8/02; H01M8/12	BRAZING MATERIAL FOR BONDING IN ATMOSPHERE, BONDED ARTICLE, AND CURR
AT547171T T 20120315	BIC SOC [FR]	US20030679756 20031006; WO2004US32672 20041005	B01J4/00; B01J4/04; C01B3/06; H01M8/00; H01M8/04; H01M8/06	BRENNSTOFFKASSETTEN FÜR BRENNSTOFFZELLEN UND HERSTELLUNGSVERFAHREN DAFÜR
AT543229T T 20120215	HONDA MOTOR CO LTD [JP]	JP20080117370 20080428; WO2009JP57815 20090414	H01M8/02; H01M8/24	BRENNSTOFFZELLE
DE10297620 B4 20120621	HONDA MOTOR CO LTD [JP]	JP20010396183 20011227; WO2002JP11008 20021023	H01M8/02; H01M4/86; H01M8/10	Brennstoffzelle
AT547817T T 20120315	MICHELIN RECH TECH [CH]	FR20050010693 20051018; WO2006EP09957 20061016	H01M8/02; H01M8/04; H01M8/24	BRENNSTOFFZELLE MIT INTEGRIERTEM FLUID- MANAGEMENT
AT544190T T 20120215	HONDA MOTOR CO LTD [JP]	JP20030431944 20031226; WO2004JP19738 20041224	H01M8/02; H01M8/04; H01M8/12; H01M8/24	BRENNSTOFFZELLE UND BRENNSTOFFZELLENSTAPEL
AT548772T T 20120315	HONDA MOTOR CO LTD [JP]	JP20050378494 20051228; WO2006JP25121 20061211	H01M8/04; H01M8/02; H01M8/12; H01M8/24	BRENNSTOFFZELLE UND BRENNSTOFFZELLENSTAPEL

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DE112009002388T T5 20120516	SEIKO INSTR INC [JP]	JP20080277450 20081028; WO2009JP68033 20091019	H01M8/02; H01M8/10	Brennstoffzelle und Brennstoffzellensystem
DE112009002459T T5 20120606	SEIKO INSTR INC [JP]	JP20080277449 20081028; WO2009JP68032 20091019	H01M8/02; H01M8/10	Brennstoffzelle und Brennstoffzellensystem
AT556452T T 20120515	DAIMLER AG [DE]	US	H01M8/02	BRENNSTOFFZELLE UND FLUSS-FELDPLATTE DAFÜR
AT556449T T 20120515	AQUAFAIRY CORP [JP]	JP20040292738 20041005; JP20050005034 20050112; JP20050182978 200506	H01M8/02; H01M8/04; H01M8/10	BRENNSTOFFZELLE UND STROMERZEUGUNGSVERFAHREN
AT545966T T 20120315	ROLLS ROYCE FUEL CELL SYSTEMS LTD [GB]	GB20070015225 20070803; WO2008GB02369 20080710	H01M8/12; H01M8/24	BRENNSTOFFZELLE UND VERFAHREN ZUR HERSTELLUNG EINER BRENNSTOFFZELLE
JP2012503282 A 20120202		DE200810047920 20080919; DE200910013598 20090317; WO2009EP06701 20090916	H01M8/04; H01M8/06	Brennstoffzellenanordnung mit verbessertem katalytischen Brenner

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JP2012503281 A 20120202		DE200810047919 20080919; DE200910013599 20090317; WO2009EP06700 20090916	H01M8/04	Brennstoffzellenanordnung mit verbesserter Gasrückführung
AT547818T T 20120315	HYPOWER INVEST GMBH [DE]	DE200610060454 20061219	H01M8/04	BRENNSTOFFZELLENANORDNUNG UND VERFAHREN ZUM BETREIBEN EINER BRENNSTOFFZELLE
AT541331T T 20120115	PANASONIC CORP [JP]	JP20020140567 20020515; WO2003JP05983 20030514	H01M8/04; H01M8/06	BRENNSTOFFZELLENENERGIEERZEUGUNGSSYSTEM
AT554509T T 20120515	3M INNOVATIVE PROPERTIES CO [US]	US20050261053 20051028; WO2006US41792 20061027	H01M8/10; C08J5/22	BRENNSTOFFZELLENKOMPONENTEN HOHER LEBENSDAUER ENTHALTEND CERIUMOXID-
DE112008004170T T5 20120405	UTC POWER CORP [US]	US	H01M8/02; H01M8/04	Brennstoffzellenplatten-Strömungsfeld
DE102011004798 A1 20120426	HYUNDAI MOTOR CO LTD [KR]	KR20100104291 20101025	H01M8/02	BRENNSTOFFZELLESEPARATOR
DE112009001684T T5 20120112	TOYOTA MOTOR CO LTD [JP]; AISIN TAKAOKA LTD [JP]	JP20080184595 20080716; WO2009JP62398 20090630	H01M8/02	Brennstoffzellenseparator und Brennstoffzelle
DE102010056003 A1 20120628	DAIMLER AG [DE]	DE201010056003 20101223	H01M8/02	Brennstoffzellenstapel
AT556451T T 20120515	HONDA MOTOR CO LTD [JP]	JP20060285204 20061019; WO2007JP69893 20071004	H01M8/02	BRENNSTOFFZELLENSTAPEL

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DE102011119901 A1 20120606	GM GLOBAL TECH OPERATIONS INC [US]	US20100959889 20101203	H01M8/02	Brennstoffzellenstapel mit einer undurchlässigen Beschichtung
DE102010054305 A1 20120614	DAIMLER AG [DE]	DE201010054305 20101213	H01M8/02	Brennstoffzellenstapel mit mehreren Brennstoffzellen
AT549763T T 20120315	SAMSUNG SDI CO LTD [KR]	US20090144691P 20090114; US20090626238 20091125	H01M8/02; H01M8/04; H01M8/10; H01M8/24	BRENNSTOFFZELLENSTAPEL UND BRENNSTOFFZELLENSYSTEM,DAS DIESEN STAPEL VERWENDET
DE102010056014 A1 20120628	DAIMLER AG [DE]	DE201010056014 20101223	H01M8/02	Brennstoffzellenstapel und Verfahren zur Herstellung eines Brennstof
JP2012505525 A 20120301		DE200810052945 20081023; WO2009DE01362 20090929	H01M8/02	Brennstoffzellenstapel
DE102011011653 A1 20120209	GM GLOBAL TECH OPERATIONS INC [US]	US20100713824 20100226	H01M8/02	Brennstoffzellenstapelhülle
AT556454T T 20120515	PANASONIC CORP [JP]	JP20000248930 20000818; JP20000319010 20001019; WO2001JP06956 200108	H01M8/04; F23N5/12; H01M8/06	BRENNSTOFFZELLEN-STROMGENERATOR UND BETRIEBSVERFAHREN
DE102010035860 A1 20120301	DAIMLER AG [DE]	DE201010035860 20100830	H01M8/04	Brennstoffzellensystem
AT538508T T 20120115	HONDA MOTOR CO LTD [JP]	JP20090194561 20090825	H01M8/04	BRENNSTOFFZELLENSYSTEM

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AT557444T T 20120515	HONDA MOTOR CO LTD [JP]	JP20080229675 20080908; WO2009JP63544 20090730	H01M8/12; H01M8/04; H01M8/24	BRENNSTOFFZELLENSYSTEM
AT556456T T 20120515	HONDA MOTOR CO LTD [JP]	JP20060138609 20060518; WO2007JP60475 20070516	H01M8/06; H01M8/24	BRENNSTOFFZELLENSYSTEM
AT550800T T 20120415	NISSAN MOTOR [JP]	JP20060013834 20060123; WO2007IB00146 20070122	H01M8/04; H01M8/10	BRENNSTOFFZELLENSYSTEM
AT556455T T 20120515	NISSAN MOTOR [JP]	IB	H01M8/04	BRENNSTOFFZELLENSYSTEM
AT557441T T 20120515	SAMSUNG SDI CO LTD [KR]	US20090150074P 20090205; US20090634562 20091209	H01M8/04; H01M8/06; H01M8/10	BRENNSTOFFZELLENSYSTEM
AT547820T T 20120315	TOYOTA MOTOR CO LTD [JP]	JP20070257735 20071001; WO2008JP67182 20080924	H01M8/04; H01M8/10	BRENNSTOFFZELLENSYSTEM
AT539458T T 20120115	TOYOTA MOTOR CO LTD [JP]	JP20070295536 20071114; WO2008IB03029 20081111	H01M8/04	BRENNSTOFFZELLENSYSTEM
AT541332T T 20120115	TOYOTA MOTOR CO LTD [JP]	JP20060292418 20061027; WO2007JP70972 20071022	H01M8/04; B60L11/18; H01M8/00; H01M8/10	BRENNSTOFFZELLENSYSTEM

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DE112009000604T T5 20120126	TOYOTA MOTOR CO LTD [JP]	JP20080078252 20080325; WO2009JP53963 20090303	H01M8/04; H01M8/10	Brennstoffzellensystem
DE112005001278 B4 20120419	TOYOTA MOTOR CO LTD [JP]	JP20040164288 20040602; JP20040352622 20041206; WO2005JP09838 20050524	H01M8/04; H01M8/10	Brennstoffzellensystem
DE112005001088T T5 20120419	TOYOTA MOTOR CO LTD [JP]	JP20040144637 20040514; WO2005IB01300 20050512	H01M8/02; H01M8/04	Brennstoffzellensystem
DE112009004786T T5 20120628	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	Brennstoffzellensystem
DE112010000815T T5 20120606	TOYOTA MOTOR CO LTD [JP]	JP20090004371 20090113; WO2010JP00010 20100105	H01M8/04; H01M8/10	BRENNSTOFFZELLENSYSTEM
DE112009003591T T5 20120524	EZELLERON GMBH [DE]	DE200810062616 20081211; WO2009EP08882 20091211	H01M8/04	Brennstoffzellensystem mit erhöhter Betriebssicherheit
DE112009003594T T5 20120524	EZELLERON GMBH [DE]	DE200810064027 20081212; WO2009EP08947 20091214	H01M8/06; H01M8/00; H01M8/02; H01M8/04; H01M8/12; H01M8/24	Brennstoffzellensystem mit Reformer

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DE112009003577T T5 20120524	EZELLERON GMBH [DE]	DE200810064026 20081212; WO2009EP08948 20091214	H01M8/04; H01M8/06; H01M8/24	Brennstoffzellensystem mit segmentiertem Stack
AT553511T T 20120415	YAMAHA MOTOR CO LTD [JP]	JP20060143435 20060523	H01M8/04	BRENNSTOFFZELLENSYSTEM UND BETRIEBSVERFAHREN DAFÜR
DE112009002499T T5 20120524	TOYOTA MOTOR CO LTD [JP]	JP20080277213 20081028; WO2009IB07240 20091027	H01M8/04; G01R31/36; H01M8/24	Brennstoffzellensystem und Brennstoffzellenzustandserfassungsverfahren
AT547821T T 20120315	ENYMOTION GMBH [DE]	DE200710055179 20071119	H01M8/06; H01M8/04; H01M8/10	BRENNSTOFFZELLENSYSTEM UND VERFAHREN ZU DESSEN BETRIEB
AT551744T T 20120415	DAIMLER AG [DE]	DE200710039236 20070820; WO2008EP05137 20080625	H01M8/04; H01M8/00; H01M8/10	BRENNSTOFFZELLENSYSTEM UND VERFAHREN ZUM BETRIEB EINES BRENNSTOFFZELLENSYSTEMS
DE112005000324 B4 20120308	TOYOTA MOTOR CO LTD [JP]	JP20040033257 20040210; WO2005JP01877 20050202	H01M8/04	Brennstoffzellensystem und Verfahren zum Zuführen eines Brennstoffgases zu einem Brennstoffzellensystem
DE102010054756 A1 20120621	AIRBUS OPERATIONS GMBH [DE]	DE201010054756 20101216	H01M8/04; B64D41/00	Brennstoffzellensystem und Verwendung eines Brennstoffzellensystems
DE102010052839 A1 20120531	AIRBUS OPERATIONS GMBH [DE]	DE201010052839 20101129	H01M8/04	Brennstoffzellensystem zur Erzeugung von Energie und Wasser
JP4868098B2 B2 20120201		JP	H01M8/04	Brennstoffzellensystem

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AT555511T T 20120515	DAIKIN IND LTD [JP]	JP20040106584 20040331; WO2005JP04182 20050310	F25B49/02; H01M8/00; F25B27/00; H01M8/04	BRENNSTOFFZELLE-STROMERZEUGUNGS- KÜHLSYSTEM
AU2010314795 A1 20120412	REDFLOW PTY LTD	AU20090905358 20091103; WO2010AU01430 20101027; AU20100314795 20101027	H01M2/40; H01M8/20; H01M10/36	Bromine complex valve
US2012034540 A1 20120209	KAUPERT ANDREAS [DE]; MUENZNER MARKUS [DE]; SCHLOSS JOERG VOM [DE]	DE201010039022 20100806	H01M8/04; F23C5/08; F23C7/00; F23N5/26	BURNER
CN202178330U U 20120328	WEI LV	CN20112249548U 20110715	H01M8/02; H01M8/04	Bypass current breaker for flow redox cell
CN202167818U U 20120314	WUXI TONGCHUN NEW ENERGY TECH	CN20112313627U 20110826	H02G7/16; H01M2/20; H01M8/00	Cable for power supply of hydrogen fuel cell to ice and snow melting device
CN102377149 A 20120314	Wuxi Tongchun New Energy Technology Co., Ltd.	CN20111246915 20110826	H02G7/16; H01M2/20; H01M8/00	Cable with hydrogen fuel cell for supplying power to ice and snow melting device
US2012100460 A1 20120426	EMPIRE TECHNOLOGY DEV LLC [US]	SG	H01M4/86; H01M4/24; H01M4/48; H01M4/50; H01M4/505; H01M4/60; H01M4/96; H01M8/00; H01M8/04;	CALCIUM HEXABORIDE ANODES FOR ELECTROCHEMICAL CELLS

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			H01M10/26	
JP2012013508 A 20120119	TOYOTA MOTOR CO LTD [JP]	JP20100149598 20100630	G01K7/25; H01M8/04	CALCULATING SYSTEM FOR TEMPERATURE INSIDE FUEL TANK
EP2455744 A1 20120523	MOCON INC [US]	US20100950018 20101119	G01N21/27; G01N21/64; G01N31/22; H01M2/10; H01M4/86; H01M8/00	Calibration card for photoluminescent oxygen sensors with zero point
JP2012054157 A 20120315	UNIV KYUSHU NAT UNIV CORP [JP]; TOYO BOSEKI	JP20100197046 20100902	H01M4/90; B01J23/75; B01J37/08; C01B31/02; H01M4/88; H01M4/96	CARBON CATALYST
WO2012063681 A1 20120518	UNIV GUNMA NAT UNIV CORP [JP]; NISSHINBO HOLDINGS INC [JP]; KISHIMOT	JP20100250270 20101108	B01J23/745; B01J23/75	CARBON CATALYST AND PROCESS FOR PRODUCTION THEREOF, AND ELECTRODE AN
KR20120001555 A 20120104	KOREA INST CERAMIC ENG & TECH [KR]; KD SEAL TECH CO LTD [KR]	KR20100061710 20100629	C01B31/02; C04B35/52; H01M2/16; H01M8/02	CARBON COMPOSITE USING SELF-SINTERING OF COKES, MANUFACTURING METHOD THEREOF AND SEPARATOR FOR FUEL CELL USING THE SAME

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WO2012011489 A1 20120126	SHARP KK [JP]; MIZUHATA HIROTAKA; SATA SHUNSUKE; YOSHIDA AKIHITO; YOSHIE TOMOHISA	JP20100163853 20100721	C01B31/20; B01J19/00; B01J19/08; C25B9/00; H01M8/06	CARBON DIOXIDE SEPARATOR AND METHOD OF USE THEREFOR
JP2012031526 A 20120216	UNIV SHINSHU; UEWAKI CO LTD	JP20100169458 20100728	D03D11/00; D03D15/12; H01M4/96; H01M8/02	CARBON FIBER MULTI-PLY WOVEN FABRIC AND METHOD OF MANUFACTURING THE SAME, AND SEAT-LIKE FUEL CELL
JP2012012719 A 20120119	TOHO TENAX CO LTD [JP]	JP20100149380 20100630	D03D15/12; D01F9/22; H01M4/88; H01M4/96	CARBON FIBER WOVEN FABRIC AND METHOD FOR MANUFACTURING THE SAME
US2012088165 A1 20120412	L LIVERMORE NAT SECURITY LLC [US]	US201113328366 20111216; US201113041129 20110304; US20080172343 20080714; US20040845939 20040513; US20030471499P 20030515	H01M8/22; H01M4/86; H01M8/06; H01M8/14	CARBON FUEL PARTICLES USED IN DIRECT CARBON CONVERSION FUEL CELLS
KR20120019106 A 20120306	HYUNDAI HYSKO [KR]	KR20100082259 20100825	C01B3/50; C01B3/38; H01M8/06	CARBON MONOXIDE REMOVAL REACTOR FOR MODIFICATION OF REFORMATTED GAS AND AIR MIXTURE INCREASES THE PERFORMANCE
KR20120031061 A 20120329	ZEPTOR CORP [US]	US20090223338P 20090706; US20090241241P 20090910; US20090259365P	H01M4/133; H01G9/042; H01M4/583; H01M8/02	CARBON NANOTUBE COMPOSITE STRUCTURES AND METHODS OF MANUFACTURING THE SAME

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KR20120060969 A 20120612		KR20100094461 20100929	H01M8/02; B60L11/18; H01B1/04; H01M4/88	Carbon substrate, method for preparation thereof, gas diffusion layer
JP2012021047 A 20120202	BIO COKE LAB CO LTD	JP20100158128 20100712	C10L5/40; C01B3/02; C01B31/02; C10B53/02; C10J3/00; C10J3/72; H01M8/06	CARBON SUPPORT, METHOD AND APPARATUS FOR PRODUCING CARBON SUPPORT, METHOD AND APPARATUS FOR PRODUCING GAS, POWER GENERATION METHOD, AND POWER GENERATOR
KR20120006247 A 20120118	KOREA INST SCI & TECH [KR]	KR20100066876 20100712	B01J23/46; B01J37/08; H01M4/92; H01M8/10	CARBON SUPPORTED PT-IR ALLOY CATALYST AND METHOD FOR SYNTHESIZING THE SAME, ELECTRODE AND FUEL CELL COMPRISING THE CATALYST
US2012082910 A1 20120405	BROST RONALD DAVID [US]	US201113251275 20111002; US20100404399P 20101004	H01M8/06	Carbon-based fuel cell system
JP2012074234 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100217810 20100928	H01M4/90; H01M4/88; H01M4/96; H01M8/10	CARBON-COATED CATALYST MATERIAL FOR SOLID POLYMER FUEL CELL, PRODUCTION METHOD THEREFOR, ELECTRODE CATALYST LAYER, AND MEMBRANE ELECTRODE ASSEMBLY
ES2378975T T3 20120419	BIC S A SOC [FR]; BIC SOC [FR]	US20040843638 20040511; WO2005US15706 20050504	H01M8/04; H01M8/00; H01M8/06; H01M8/10	Cartucho con suministro de membrana y conjunto o pila de electrodos de membrana
ES2376575T T3 20120315	BIC SOC [FR]	US20030356793 20030131	H01M8/04; H01M2/00; H01M2/02; H01M8/02; H01M8/06	CARTUCHO DE COMBUSTIBLE PARA PILAS DE COMBUSTIBLE.

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KR20120013803 A 20120215	AGENCY DEFENSE DEV [KR]	KR20100076046 20100806	H01M8/24; H01M8/02; H01M8/10	CASCADE TYPED STACK ASSEMBLY IN FUEL CELL SYSTEM
JP2012098002 A 20120524	PANASONIC CORP [JP]	JP20100248073 20101105	F24H9/06; F24H1/18	CASING SUPPORT LEG
JP2012055855 A 20120322	UNIV TOKYO AGRICULTURE; JAPAN CAPACITOR IND CO LTD	JP20100203244 20100910	B01J23/80; B01J32/00; C01B3/38	CATALYST CARRIER, CATALYST BODY, AND METHOD FOR MANUFACTURING THE SAME
JP2012124046 A 20120628	HONDA MOTOR CO LTD [JP]	JP20100274419 20101209	H01M4/86; H01M4/88	CATALYST COATED RESIN FIBER AND FUEL CELL ELECTRODE USING THE SAME AND MANUFACTURING METHOD THEREOF
KR20120052799 A 20120524	PUSAN NAT UNIV IND COOP FOUND [KR]	KR20100114112 20101116	H01M4/90; B01J23/50; H01M8/02	CATALYST COMPOSITE FOR ALKALINE MEDIUM CELL, METHOD FOR PREPARING TH
JP2012110839 A 20120614	DAIHATSU MOTOR CO LTD [JP]	JP20100262139 20101125	B01J23/75; B01J31/18; B01J37/08	CATALYST COMPOSITION
KR20120058035 A 20120607		KR20100119640 20101129	B01J23/83; C01B3/16; H01M4/90; H01M8/06	Catalyst for ?? preferential oxidation and Method for manufacturing

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US2012015266 A1 20120119	MELO FAUS FRANCISCO VICENTE [ES]; MORLANES SANCHEZ NATALIA [ES]; MORALES OSORIO ISIDORO [ES]; SARMIENTO MARRON BELEN [ES]; MARTIN BETANCOURT MARIANELA [ES]	ES20090000082 20090113; WO2009ES70537 20091127	H01M8/06; B01D53/62; B01J21/10; B01J23/10; B01J23/36; B01J23/83; C01B3/26	CATALYST FOR A PROCESS FOR OBTAINING HYDROGEN THROUGH REFORMING HYDROCARBONS WITH STEAM, PROCESS FOR PREPARING THE CATALYST AND USE THEREOF IN THE PROCESS
KR20120010704 A 20120206	UNIV KOREA RES & BUS FOUND [KR]	KR20100072196 20100727	B01J31/16; C01B3/16; C01B3/26; H01M8/06	Catalyst for dehydrogenation of ammonia borane compound and method for generating hydrogen using the same
KR101101186B B1 20120103	UNIV KOREA RES & BUS FOUND [KR]	KR20100072197 20100727	B01J31/16; C01B3/16; H01M8/06	CATALYST FOR DEHYDROGENATION OF METAL HYDRIDE AND METHOD FOR GENERATING HYDROGEN USING THE SAME
US2012094199 A1 20120419	BASF SE [DE]	US201013375805 20100527; US20090183251P 20090602; WO2010EP57313 20100527	H01M4/90; B01J21/18; B01J23/42; B01J23/648; B01J23/652; B01J23/656; B01J23/89; H01M8/08	CATALYST FOR ELECTROCHEMICAL APPLICATIONS
JP2012099296 A 20120524	HITACHI LTD [JP]	JP20100244923 20101101	H01M4/96; B01J23/75; B01J35/10; B01J37/08; H01M4/88; H01M8/10	CATALYST FOR FUEL BATTERIES, METHOD OF MANUFACTURING THE SAME, FILM-

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JP2012099494 A 20120524	SHOWA DENKO KK [JP]	JP20080259416 20081006; JP20110283458 20111226	H01M4/90; B01J27/24; H01M8/10	CATALYST FOR FUEL CELL
CN102460794 A 20120516	SHOWA DENKO KK [JP]	WO2010JP59325 20100602; JP20090134277 20090603	H01M4/90; B01J21/06; B01J23/20; C01B31/04; H01M4/96; H01M8/10	Catalyst for fuel cell and polymer electrolyte fuel cell using the same
WO2012067505 A2 20120524	STICHTING ENERGIE [NL]; PIETERSE JOHANNIS ALOUISIUS ZACHARIA	NL20102005700 20101116; NL20112006383 20110314	B01J21/02	CATALYST FOR HYDROGEN PRODUCTION
NL2005700C C 20120521	STICHTING ENERGIE [NL]	NL20102005700 20101116	B01J21/00; B01J21/02; B01J21/10; B01J23/00; B01J23/755; B01J35/10	CATALYST FOR HYDROGEN PRODUCTION, SUCH AS IN SEPARATION ENHANCED REF
JP2012061399 A 20120329	NIPPON CATALYTIC CHEM IND [JP]	JP20100206228 20100915	B01J23/58; B01J35/10; B01J37/02; C01B3/40; H01M8/06	CATALYST FOR PRODUCING HYDROGEN, METHOD FOR MANUFACTURING THE CATALYST, AND METHOD FOR PRODUCING HYDROGEN BY USING THE CATALYST
JP2012061398 A 20120329	NIPPON CATALYTIC CHEM IND [JP]	JP20100206227 20100915	B01J23/89; B01J37/02; C01B3/40	CATALYST FOR PRODUCING HYDROGEN, METHOD FOR MANUFACTURING THE CATALYST, AND METHOD FOR PRODUCING HYDROGEN BY USING THE CATALYST

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JP4880064B1 B1 20120222	TANAKA KIKINZOKU KOGYO KK	JP20100273347 20101208	H01M4/86; B01J31/02; H01M4/88; H01M4/92; H01M4/96; H01M8/10	CATALYST FOR SOLID POLYMER FUEL CELL AND METHOD OF PRODUCING THE SAME
JP2012050913 A 20120315	TOYOTA MOTOR CORP [JP]; UNIV HOKKAIDO	JP20100194528 20100831	B01J35/02; B01J27/24; C25B11/06	CATALYST FOR VISIBLE LIGHT WATER DECOMPOSITION AND METHOD FOR MANUFACTURING PHOTOELECTRODE
KR20120056848 A 20120604	JOHNSON MATTHEY PLC [GB]	GB20090014562 20090820	H01M4/90; C25B11/04; H01M4/86; H01M8/02	CATALYST LAYER
WO2012080726 A1 20120621	JOHNSON MATTHEY PLC [GB]; THOMPSETT DAVID [GB]; WRIGHT EDWAR	GB20100021352 20101216	H01M4/90; H01M4/86; H01M8/12	CATALYST LAYER
JP2012123927 A 20120628	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100271406 20101206	H01M4/86; H01M4/88; H01M8/10	CATALYST LAYER MEMBER AND MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL
JP2012069467 A 20120405	DAINIPPON PRINTING CO LTD [JP]	JP20100215200 20100927	H01M8/02; B32B7/02; B32B27/30; H01M8/10	CATALYST LAYER-ELECTROLYTE MEMBRANE LAMINATE WITH PROTECTIVE SHEET AND AGGREGATE THEREOF
JP2012069462 A 20120405	DAINIPPON PRINTING CO LTD [JP]	JP20100215106 20100927	H01M8/02; H01M4/88; H01M8/10	CATALYST LAYER-ELECTROLYTE MEMBRANE LAMINATE WITH PROTECTIVE SHEET AND MEMBRANE-ELECTRODE ASSEMBLY WITH PROTECTIVE SHEET

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JP2012064343 A 20120329	DAINIPPON PRINTING CO LTD [JP]	JP20100205568 20100914	H01M8/02; H01M4/86	CATALYST LAYER-ELECTROLYTE MEMBRANE STACK, MEMBRANE-ELECTRODE JUNCTION BODY AND FUEL CELL USING THE STACK, AND MANUFACTURING METHOD OF THE STACK
JP2012059714 A 20120322	DAINIPPON PRINTING CO LTD [JP]	JP20050280215 20050927; JP20110279610 20111221	H01M4/88; H01M8/10	CATALYST LAYER-FORMING PASTE COMPOSITION, TRANSFER SHEET FOR MANUFACTURING CATALYST LAYER-ELECTROLYTE MEMBRANE LAMINATE, AND CATALYST LAYER-ELECTROLYTE MEMBRANE LAMINATE
JP2012081391 A 20120426	UNIV MIYAZAKI; TOYOTA MOTOR CORP	JP20100228632 20101008	B01J23/42; B01J23/62; B01J35/02; B01J37/16; H01M4/88; H01M4/90; H01M4/96	CATALYST PARTICLE, CARBON-SUPPORTED CATALYST PARTICLE AND FUEL CELL CATALYST, AND METHOD OF MANUFACTURING THE CATALYST PARTICLE AND THE CARBON-SUPPORTED CATALYST PARTICLE
WO2012052941 A1 20120426	BASF SE [DE]; BASF CHINA CO LTD [CN]; UENSAL OEMER [DE]; BRAEUNINGER SIGMAR [DE]; QUERNER CLAUDIA [DE]; SCHWAB EKKEHARD [DE]	EP20100188418 20101021	H01M8/02	CATALYST SUPPORT MATERIAL COMPRISING POLYAZOLE SALT, ELECTROCHEMICAL CATALYST, AND PREPARATION OF GAS DIFFUSION ELECTRODE AND MEMBRANE-ELECTRODE ASSEMBLY THEREOF
US2012100455 A1 20120426	BASF SE [DE]	US201113278830 20111021; US20100405253P 20101021	H01M8/10; B01J31/06	CATALYST SUPPORT MATERIAL COMPRISING POLYAZOLE SALT, ELECTROCHEMICAL CATALYST, AND THE PREPARATION OF A GAS DIFFUSION ELECTRODE AND A MEMBRANE-ELECTRODE ASSEMBLY THEREFROM

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WO2012052945 A1 20120426	BASF SE [DE]; BASF CHINA CO LTD [CN]; UENSAL OEMER [DE]; BRAEUNINGER SIGMAR [DE]; QUERNER CLAUDIA [DE]; SCHWAB EKKEHARD [DE]	EP20100188393 20101021	H01M8/02	CATALYST SUPPORT MATERIAL COMPRISING POLYAZOLE, ELECTROCHEMICAL CATALYST, AND PREPARATION OF GAS DIFFUSION ELECTRODE AND OF MEMBRANE-ELECTRODE ASSEMBLY THEREOF
US2012100457 A1 20120426	BASF SE [DE]	US201113278792 20111021; US20100405243P 20101021	H01M4/86; B01J31/06; H01M8/10	CATALYST SUPPORT MATERIAL COMPRISING POLYAZOLE, ELECTROCHEMICAL CATALYST, AND THE PREPARATION OF A GAS DIFFUSION ELECTRODE AND A MEMBRANE-ELECTRODE ASSEMBLY THEREFROM
JP2012115771 A 20120621	TOYOTA IND CORP	JP20100268102 20101201	B01J23/76; B01J37/03; B01J37/08; C01B3/48	CATALYST, AND METHOD OF PRODUCING THE SAME
JP2012076013 A 20120419	TOSHIBA CORP [JP]	JP20100223176 20100930	B01J27/053; B01J23/34; B01J23/755; B01J23/85; B01J23/88; B01J23/889; B01J27/185; B01J27/187; B01J37/02; H01M4/86; H01M4/90; H01M8/10	CATALYST, CATALYST COMPOSITION, CATHODE CATALYST LAYER, MEMBRANE ELECTRODE ASSEMBLY, AND FUEL CELL

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JP2012066225 A 20120405	TOSHIBA CORP [JP]	JP20100215426 20100927	B01J35/02; B01J27/22; B01J27/24; B01J37/02; H01M4/86; H01M4/88; H01M4/90; H01M8/10	CATALYST, MEMBRANE ELECTRODE COMPLEX, FUEL CELL AND METHOD FOR PRODUCING CATALYST
KR20120011020 A 20120206	SHOWA DENKO KK [JP]	JP20090109530 20090428; WO2010JP57414 20100427	B01J27/24; B01J21/06; H01M4/90; H01M8/10	CATALYST, METHOD FOR PRODUCTION OF SAME, AND USE OF SAME
US2012070763 A1 20120322	SHOWA DENKO KK [JP]	JP20090115039 20090511; WO2010JP57932 20100511	H01M4/90; C07F7/00; C07F19/00; H01M8/10	CATALYST, PRODUCTION PROCESS THEREFOR AND USE THEREOF
US2012058415 A1 20120308	SHOWA DENKO KK [JP]	JP20090114682 20090511; WO2010JP57927 20100511	H01M4/90; C07F7/28; C07F19/00; H01M8/10	CATALYST, PRODUCTION PROCESS THEREFOR AND USE THEREOF
WO2012013940 A2 20120202	ISIS INNOVATION [GB]; TSANG SHIK CHI EDMAN [GB]; TEDSREE KARAKED [GB]	GB20100012789 20100729	C01B3/22	CATALYSTS FOR HYDROGEN GENERATION AND FUEL CELLS
CN102318111 A 20120111	FLORIDA STATE UNIVERSITY RESEARCH FOUNDATION, INC.	WO2010US42451 20100719; US20090505070 20090717; US20100320639P 20100402	H01M4/90; B01J23/00; B82B3/00; H01M4/88; H01M8/10	CATALYTIC ELECTRODE WITH GRADIENT POROSITY AND CATALYST DENSITY FOR FUEL CELLS

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JP2012508433 A 20120405		US20080193240P 20081107; WO2009CA01609 20091106	H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M8/10	CATALYTIC MATERIALS FOR FUEL CELL ELECTRODES AND METHOD FOR THEIR PRODUCTION
KR20120005789 A 20120117	POSTECH ACAD IND FOUND [KR]	KR20100066444 20100709	H01M4/90; B01J23/16; C01G41/02; H01M8/10	CATHOD CATALYST FOR FUEL CELL, METHOD OF PREPARING SAME, AND FUEL CELL SYSTEM INCLUDING SAME
KR20120016293 A 20120223	UNIV LIVERPOOL [GB]	GB20090009134 20090528	H01M8/12; H01M4/90; H01M8/02	CATHODE
JP2012009188 A 20120112	JAPAN CARLIT CO LTD	JP20100142297 20100623	H01M4/86; H01M4/88	CATHODE CATALYST FOR FUEL CELL AND MANUFACTURING METHOD THEREOF
KR20120050710 A 20120521	SNU R& DB FOUNDATION [KR]	KR20100112103 20101111	H01M4/88; H01M4/92; H01M8/10	CATHODE CATALYST LAYER OF DIRECT METHANOL FUEL CELL COMPOSED OF HETE
WO2012086185 A1 20120628	TOYOTA MOTOR CO LTD [JP]; DU PONT [US]; NONOYAMA NOBUAKI [JP]; AIMU	JP20100283009 20101220	H01M4/88; H01M4/86; H01M8/10	CATHODE CATALYST LAYER, MEMBRANE ELECTRODE ASSEMBLY AND POLYMER ELEC

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PT1271671E E 20120110	HENKEL AG & CO KGAA [DE]	US20010888306 20010622	C09D5/02; H01M2/02; C09D5/24; C09D109/02; C09D125/10; C09D125/14; C09D161/28; C09D163/00; C09D179/00; C09D201/00; H01B1/24; H01G9/016; H01G9/058; H01G9/06; H01M4/60; H01M4/64; H01M4/66; H01M4/96; H01M8/02	CATHODE COATING DISPERSION
CN102334221 A 20120125	Penn State Res Found	WO2009US69816 20091230; US20080141511P 20081230	H01M8/02; B01J23/42; B01J23/755; H01M8/16	Cathodes for microbial electrolysis cells and microbial fuel cells
KR20120035565 A 20120416	IAC IN NAT UNIV CHUNGNAM [KR]	KR20100097160 20101006	B01D71/00; C08J5/22; H01M2/16; H01M8/02	CATION EXCHANGE MEMBRANE COMPRISING COPOLYMER CONTAINING CATION EXCHANGE GROUP

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US2012058405 A1 20120308	KIRCHOFF JAMES A [US]; MARQUES JOSE L [US]; NOTTKE FRANCIS A [US]; SELIGMANN RANDOLPH E [US]; VASQUEZ PETER D [US]; KOENEMAN ROBERT [US]; JEONG JENNIFER [US]	US201113170115 20110627; US20080166979 20080702; US201161450569P 20110308	H01M8/06; C25B9/08; H02K7/18	CAVITATION ASSISTED SONOCHEMICAL HYDROGEN PRODUCTION SYSTEM
ES2372755 A1 20120126	CONSEJO SUPERIOR INVESTIGACION [ES]	ES20100031024 20100702	H01M8/10; H01M8/02	CELDA COMBUSTIBLE POLIMERICA.
JP2012028185 A 20120209	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100166030 20100723	H01M8/04	CELL ABNORMALITY DETECTING DEVICE FOR FUEL BATTERY, FUEL BATTERY DEVICE, AND CELL ABNORMALITY DETECTING METHOD FOR FUEL BATTERY
EP2432045 A2 20120321	LG CHEMICAL LTD [KR]	WO2010KR02695 20100428; KR20090040884 20090511	H01M2/10; H01M8/04	CELL CARTRIDGE COMPRISING A RESILIENT PRESS MEMBER, AND CELL MODULE COMPRISING SAME
EP2430693 A1 20120321	COMMISSARIAT ENERGIE ATOMIQUE [FR]	WO2010EP56376 20100510; FR20090053109 20090511	H01M4/88; H01M4/86; H01M8/06; H01M8/12	CELL FOR A HIGH-TEMPERATURE FUEL CELL WITH INTERNAL HYDROCARBON REFORMING
JP2012059604 A 20120322	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100202943 20100910	H01M8/02; H01M4/86; H01M8/04	CELL FOR FUEL CELL SYSTEM

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JP2012049148 A 20120308	KYOCERA CORP [JP]	JP20110240020 20111101	H01M8/24	CELL STACK DEVICE AND FUEL BATTERY
JP2012014864 A 20120119	KYOCERA CORP [JP]	JP20100147739 20100629	H01M8/02; H01M8/24	CELL STACK DEVICE, FUEL BATTERY MODULE AND FUEL BATTERY DEVICE
JP2012028098 A 20120209	KYOCERA CORP [JP]	JP20100164378 20100721	H01M8/06; C01B3/38; H01M8/04	CELL STACK DEVICE, FUEL BATTERY MODULE, AND FUEL BATTERY DEVICE
JP2012054016 A 20120315	KYOCERA CORP [JP]	JP20100193904 20100831	H01M8/06; C01B3/38; H01M8/04	CELL STACK DEVICE, FUEL CELL MODULE AND FUEL CELL DEVICE
GB2484242 A 20120404	AFC ENERGY PLC [GB]	GB20090013827 20090807; WO2010GB51149 20100714	H01M8/24; H01M8/02; H01M8/08	Cell stack system block
JP2012099368 A 20120524	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100246770 20101102	H01M8/24; H01M8/02; H01M8/04; H01M8/18	CELL STACK, CELL FRAME, REDOX FLOW BATTERY, AND CELL STACK MANUFACTU
JP2012079514 A 20120419	KYOCERA CORP [JP]	JP20100222722 20100930	H01M8/02; H01M8/04	CELL STACK, FUEL CELL MODULE, FUEL CELL DEVICE, AND CONTROL METHOD OF FUEL CELL DEVICE
JP2012089330 A 20120510	FUJI ELECTRIC CO LTD	JP20100234510 20101019	H01M8/02; H01M8/12	CELL STRUCTURE OF FUEL BATTERY
JP2012109073 A 20120607	FUJI ELECTRIC CO LTD	JP20100255756 20101116	H01M8/24	CELL STRUCTURE OF FUEL CELL
JP2012069476 A 20120405	YAZAKI CORP [JP]; HONDA MOTOR CO LTD [JP]	JP20100215290 20100927	H01R24/00	CELL VOLTAGE DETECTION CONNECTOR
US2012021316 A1 20120126	ENERGYOR TECHNOLOGIES INC [CA]	US201113185924 20110719; US20100400270P 20100726	H01M8/04	CELL VOLTAGE MONITORING (CVM) PICK-UP ASSEMBLY FOR A FUEL CELL STACK

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EP2413409 A1 20120201	TRUMA GERAETETECHNIK GMBH & CO [DE]	EP20100008014 20100730	H01M8/04; H01M8/06	Central media supply unit for reformer fuel cell systems
DE102010052706 A1 20120531	DAIMLER AG [DE]	DE201010052706 20101126	H01M8/04	Ceramic assembly for fuel cell system, has coupling plate comprising
DE102010052704 A1 20120531	DAIMLER AG [DE]	DE201010052704 20101126	H01M8/04	Ceramic assembly for use as e.g. gas-to-gas humidifier in anode gas
DE102010052708 A1 20120531	DAIMLER AG [DE]	DE201010052708 20101126	H01M8/04	Ceramic assembly of fuel cell system for mobile device, has separati
DE102010052707 A1 20120531	DAIMLER AG [DE]	DE201010052707 20101126	H01M8/04	Ceramic component for use as e.g. gas-to-gas exchanger for fuel cell
US2012077109 A1 20120329	KOREA RES INST CHEM TECH [KR]	KR20090049524 20090604; WO2009KR03465 20090626	H01M8/10; B05D5/12; B32B5/18; B32B18/00; B32B27/06	CERAMIC POROUS SUBSTRATE, REINFORCED COMPOSITE ELECTROLYTE MEMBRANE USING THE SAME AND MEMBRANE-ELECTRODE ASSEMBLY HAVING THE SAME
AT540133T T 20120115	UNIV CALIFORNIA [US]	US20080026079P 20080204; WO2008US53869 20080213	C22C29/12; C22C30/02; C22C32/00; H01M8/12	CERMET AUF CU-BASIS FÜR HOCHTEMPERATUR-BRENNSTOFFZELLE
DE102010035727 A1 20120301	DAIMLER AG [DE]	DE201010035727 20100828	H01M8/04	Charging device for fuel cell device of motor vehicle, has recirculation device arranged downstream to compressor and upstream to another compressor at inlet point and recirculating exhaust gas of fuel cell
US2012088181 A1 20120412	GM GLOBAL TECH OPERATIONS INC [US]	US20100899895 20101007	H01M8/10	Chemical Durability Using Synergistic Mitigation Strategies
AT548770T T 20120315	LILLIPUTIAN SYSTEMS INC [US]	US20070888943 20070803; WO2008US09293 20080801	H01M4/88; H01M4/86; H01M8/12	CHEMISCH GESINTERTE VERBUNDELEKTRODEN UND HERSTELLUNGSPROZESSE

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CN102427142 A 20120425	UNIV NANJING	CN20111413886 20111213	H01M8/16; C02F3/34	Chlorella microbiological fuel cell reactor
CN102403522 A 20120404	XIAOJUN MA	CN20101277743 20100910	H01M8/06	Circulation hydrogen production device and super storage battery comprising the same
US2012070751 A1 20120322	KOREA MACH & MATERIALS INST [KR]	KR20090046379 20090527; WO2009KR06064 20091020	H01M8/06	CLOSED LOOP TYPE FUEL CELL SYSTEM
JP2012014960 A 20120119	MITSUBISHI HEAVY IND LTD [JP]	JP20100150516 20100630	H01M8/06; C01B3/38; H01M8/04	CO REMOVAL SYSTEM AND METHOD FOR CO REMOVAL
JP2012012255 A 20120119	MITSUBISHI HEAVY IND LTD [JP]	JP20100150515 20100630	C01B31/20; C01B3/38; C01B3/58; H01M8/04	CO REMOVING SYSTEM AND METHOD FOR REMOVING CO
KR20120064319 A 20120619	DOOSAN HEAVY IND & CONSTRUCTION CO LTD [KR]	KR20100125497 20101209	H01M8/14; H01M8/04; H01M8/06	CO2 RECOVERY DEVICE USING FUEL CELLS SYSTEM
DE102010027645 A1 20120119	FORSCHUNGSZENTRUM JUELICH GMBH [DE]; UNIV VALENCIA POLITECNICA [ES]; CONSEJO SUPERIOR INVESTIGACION [ES]	DE201010027645 20100719	C04B35/50; B01D53/22; B01D71/02; H01M8/12	CO2 tolerantes, gemischt leitendes Oxid und dessen Anwendung für die Wasserstoffabtrennung
CN102496729 A 20120613	GM GLOBAL TECH OPERATIONS INC [US]	US20050180835 20050712	H01M8/02	Coated steel bipolar plates

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JP2012091149 A 20120517	TOYOTA MOTOR CO LTD [JP]	JP20100242911 20101029	B05C11/10; B05C5/02	COATING APPARATUS
KR20120016366 A 20120224	KOREA ENERGY RESEARCH INST [KR]	KR20100078661 20100816	H01M8/12; B05D7/00	COATING METHOD OF ELECTRODE SUPPORT BODY FOR FUEL CELL AND HIGH TEMPERATURE ELECTROLYSIS CELLS
DE102011016354 A1 20120426	GM GLOBAL TECH OPERATIONS INC [US]	US20100761501 20100416	H01M8/10	Cobalt(II)tetramethoxyphenylporphyrin (CoTMPP)- Ionomer-Stabilisierung zum Verhindern von Elektrodenzersetzung
JP2012512521 A 20120531		US20080201977P 20081217; WO2009US68253 20091216	H01M8/02; H01M8/12	Co-doped YSZ electrolytes for solid oxide fuel cell stacks
US2012082920 A1 20120405	DELPHI TECH INC [US]	US20100897977 20101005	H01M8/10	CO-FIRED METAL INTERCONNECT SUPPORTED SOFC
WO2012041338 A1 20120405	TOPSOE FUEL CELL AS [DK]; JENSEN KRESTEN JUEL NIKOLAJ LAUT [DK]; WEICHEL STEEN [DK]	EP	H01M8/04; H01M8/24	CO-FLOW / COUNTER-FLOW FUEL CELL OR ELECTROLYSIS CELL
JP2012038738 A 20120223	DAINIPPON PRINTING CO LTD [JP]	JP20040324609 20041109; JP20110224699 20111012	H01M8/06; H01M8/00; H01M8/04; H01M8/12	COGENERATION SYSTEM USING FUEL CELL
KR20120060505 A 20120612		KR20100122039 20101202	H01M8/04; B60L11/18; G01R31/36	Cold Start Control Apparatus and Method of Fuel Cell System
CN202127059U U 20120125	DONGFANG ELECTRIC CORP	CN20112254121U 20110718	H01M8/02	Collecting plate of liquid flow battery and liquid flow battery

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US2012040253 A1 20120216	TESLA MOTORS INC [US]	US201113013852 20110126; US20100887557 20100922; US20100372351P 20100810	H01M8/06; H01M12/06	Collection, Storage and Use of Metal-Air Battery Pack Effluent
JP2012119287 A 20120621	NIPPON SHEET GLASS CO LTD	JP20100270923 20101203	H01M4/86; H01M8/02	COLLECTOR BASE MATERIAL FOR SOLID FUEL CELL
KR101121110B B1 20120320	KOREA ENERGY RESEARCH INST [KR]	KR20110056195 20110610	H01M8/02; H01B1/02; H01B1/04; H01M8/12	COLLECTOR FOR FUEL CELL
JP2012079519 A 20120419	TOTO LTD [JP]	JP20100222858 20100930	H01M8/02; H01M8/12; H01M8/24	COLLECTOR FOR SOLID OXIDE FUEL BATTERY CELL AND SOLID OXIDE FUEL BATTERY CELL ASSEMBLE BODY USING THE SAME
US2012164555 A1 20120628	TOSHIBA KK [JP]	JP	H01M4/90; B05D5/12; H01M4/92; H01M8/10	COLLECTOR MEMBER, POWER GENERATOR, AND METHOD OF MANUFACTURING COLLE
CN102456897 A 20120516	Shanghai Xinao Energy Technology Co., Ltd.;ENN Group Co., Ltd.;ENN Energy Service Co., Ltd.	CN20101516662 20101020	H01M8/04; F24J3/00	Combined electricity-heat-cold supply system based on fuel cell
KR20120035960 A 20120417	HAN KOOK KWANG YU CO [KR]; SEWON INDUSTRIES CO LTD [KR]	KR20100097572 20101007	H01M8/12; H01M8/02; H01M8/24	COMBINED FLAT-TUBE ANODE SUPPORT SOLID OXIDE FUEL CELL AND STACK STRUCTURE USING THE SAME

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AU2010268829 A1 20120202	TOPSOE FUEL CELL AS [DK]	DK20090000825 20090706; US20090223297P 20090706; WO2010EP03867 20100701	H01M8/04; H01M8/02; H01M8/24	Combined flow patterns in a fuel cell stack or an electrolysis cell stack
CN102456898 A 20120516	Shanghai Xinao Energy Technology Co., Ltd.;ENN Group Co., Ltd.;ENN Energy Service Co., Ltd.	CN20101516675 20101020	H01M8/04; F24J3/00	Combined heat and electricity generation system with fuel cell and gas turbine
CN102308420 A 20120104	Fuelcell Power Inc	WO2010KR00323 20100118; KR20090010295 20090209	H01M8/04; F24D10/00	Combined heat and power cogeneration system for a fuel cell, and control method thereof
JP2012057834 A 20120322	PANASONIC CORP [JP]	JP20100199602 20100907	F23L17/02; F24H9/02	COMBUSTION EXHAUST APPARATUS
KR20120008275 A 20120130	SAMSUNG SDI CO LTD [KR]	KR20100069037 20100716	H01M8/06; C01B3/26; G01K7/02	COMBUSTOR FOR REFORMER
US2012015258 A1 20120119	MODINE MFG CO [US]	US201113241430 20110923; US20070778478 20070716; US20060832198P 20060720	H01M8/06	COMPACT AIR PREHEATER FOR SOLID OXIDE FUEL CELL SYSTEMS

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WO2012001446 A1 20120105	KAMPANATSANYAKORN KRISADA [TH]; HOLASUT SURADIT [TH]	IB	H01M8/02; H01M8/10; H01M8/18; H01M8/20; H01M8/24	COMPACT FRAMELESS BIPOLAR STACK FOR A MULTICELL ELECTROCHEMICAL REACTOR WITH PLANAR BIPOLAR ELECTRICAL INTERCONNECTS AND INTERNAL DUCTING OF CIRCULATION OF ELECTROLYTE SOLUTIONS THROUGH ALL RESPECTIVE CELL COMPARTMENTS
KR20120016126 A 20120222	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20090053095 20090511	H01M8/04; H01M8/02	COMPACT FUEL CELL
US2012107710 A1 20120503	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20090054888 20090715; WO2010EP59966 20100712	H01M8/04	COMPACT FUEL CELL
WO2012046889 A1 20120412	UNIV YONSEI IACF [KR]; HAN HAKSOO [KR]; JEONG MINSU [KR]; CHOI SEUNG- HYUK [KR]	KR	H01M8/02; C08J5/22; C08K7/22; H01B1/06; H01M8/10	COMPLEX ELECTROLYTE MEMBRANE FOR A FUEL CELL, METHOD FOR MANUFACTURING SAME, AND FUEL CELL INCLUDING SAME
WO2012006479 A2 20120112	HARVARD COLLEGE [US]; MONDAL SUJIT KUMAR [US]; RUGOLO JASON S [US]; HUSKINSON BRIAN [US]; AZIZ MICHAEL J [US]	US20100362675P 20100708	H01M4/90; B01J23/46; H01M4/92; H01M8/02; H01M8/18	COMPLEX OXIDES FOR CATALYTIC ELECTRODES
KR101141946B B1 20120504	SAMSUNG EVERLAND INC [KR]	KR20110055279 20110608	F03G7/00; F24D3/18; H01M8/04	COMPLEX POWER GENERATION SYSTEM AND METHOD FOR SUPPLYING HEATED WATE
US2012094205 A1 20120419	DELPHI TECH INC [US]	US201113197130 20110803	H01M2/08; H01M8/24	COMPLIANT GLASS SEAL FOR FUEL CELL STACK

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WO2012070573 A1 20120531	JX NIPPON OIL & AMP ENERGY CORP [JP]; OKAZAKI JUNJI [JP]; OSHIMA SHINJI	JP20100260031 20101122	F17C11/00; F17C5/06	COMPOSITE CONTAINER FOR STORAGE OF HYDROGEN, AND HYDROGEN-FILLING ME
JP2012000525 A 20120105	UNIV OITA	JP20100134688 20100614	B01J23/62; H01M4/86; H01M4/90; H01M4/92; H01M8/10	COMPOSITE ELECTRODE CATALYST AND METHOD FOR MANUFACTURING THE SAME
US2012082922 A1 20120405	UNIV KYUSHU NAT UNIV CORP [JP]; SUMITOMO CHEMICAL CO [JP]	JP20100224134 20101001	H01M4/96; H01M8/00	COMPOSITE ELECTRODE MATERIAL AND METHOD OF PRODUCING THE SAME, NEGATIVE ELECTRODE FOR METAL-AIR BATTERY, AND METAL-AIR BATTERY
KR20120050302 A 20120518	KUMOH NAT INST TECH ACAD COOP [KR]; SUNGWOO AUTOMOTIVE CO LTD [KR]	KR20100111731 20101110	H01M8/02; C07F11/00; C08J7/04; H01B1/06	COMPOSITE ELECTROLYTE MEMBRANE FOR FUEL CELL
US2012088174 A1 20120412	GM GLOBAL TECH OPERATIONS INC [US]	US20100900709 20101008	H01M8/04	COMPOSITE END CELL THERMAL BARRIER WITH AN ELECTRICALLY CONDUCTING LAYER
US2012015283 A1 20120119	OORJA PROTONICS INC [US]	US201113182442 20110713; US20100364237P 20100714	H01M8/04; H01M2/16; H01M8/10	COMPOSITE GASKET FOR FUEL CELL STACK
JP2012015093 A 20120119	SANYO ELECTRIC CO [JP]	JP20100125398 20100531; JP20110068617 20110325	H01M8/02; H01M8/10	COMPOSITE MEMBRANE AND FUEL CELL

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KR20120011250 A 20120207	INST SCIENCE & TECH KWANGJU [KR]	KR20100072993 20100728	H01M8/10; C08F8/36; C08J5/22; C08J7/04	Composite membrane for fuel cell electrolyte and its preparation method
JP2012082446 A 20120426	UNIV SHINSHU	JP20100227078 20101007	C22C47/14; B22F1/00; C22C49/11	COMPOSITE METAL MATERIAL AND METHOD FOR PRODUCTION THEREOF
KR20120004471 A 20120112	UNIV DENMARK TECH DTU [DK]	EP20090005779 20090424	H01M4/86; H01M4/88; H01M4/90; H01M8/12	COMPOSITE OXYGEN ELECTRODE AND METHOD FOR PREPARING SAME
CN102427141 A 20120425	UNIV SUN YAT SEN	CN20111393309 20111201	H01M8/10; D01D5/00; D04H1/728	Composite proton exchange membrane and preparation method thereof
US2012077107 A1 20120329	KOREA ADVANCED INST SCI & TECH [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100094251 20100929	H01M8/04; H01M8/00	COMPOSITE SEPARATOR FOR POLYMER ELECTROLYTE MEMBRANE FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
KR20120010960 A 20120206	SAMSUNG ELECTRONICS CO LTD [KR]	KR20110067972 20110708; KR20100072485 20100727	H01M4/90; B01J27/24; B01J37/08; H01M8/02	COMPOSITE, ELECTRODE CATALYST INCLUDING THE SAME, MANUFACTURING METHOD THEREOF, AND FUEL CELL USING THE SAME

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IL146209 A 20120131	THOMAS HAERING [DE]; RIMA HAERING [DE]	DE19991019881 19990430; WO2000EP03910 20000502	B01D53/22; B01D61/02; B01D61/14; B01D61/24; B01D61/36; B01D69/12; B01D69/14; B01D71/00; B01D71/02; B01D71/62; B01D71/66; B01D71/68; B01J21/16; B01J31/06; B01J31/10; B01J35/06; C01B33/38; C01B33/44; C08J5/20; C08J5/22; C08K3/34; C08L101/02; H01M8/02; H01	COMPOSITES AND COMPOSITE MEMBRANES
KR20120031177 A 20120330	BASF SE [DE]	EP20090008110 20090620	C08G73/18; C08J5/22; C08L79/04; H01M8/10	COMPOSITION CONTAINING POLYAZOLE
JP2012104244 A 20120531	KURARAY CO [JP]; UNIV NAGOYA [JP]	JP20100249168 20101105	H01M4/86; H01M4/90; H01M4/92	COMPOSITION FOR FORMING CATALYST LAYER, GAS DIFFUSION ELECTRODE, MEM

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WO2012043319 A1 20120405	PANASONIC CORP [JP]; TAKEUCHI CHIIHIRO [JP]; YAMAMOTO HIROSHI [JP]	JP20100216184 20100927	H01M8/02	COMPOSITION FOR FORMING FUEL CELL SEPARATOR, FUEL CELL SEPARATOR, METHOD FOR PRODUCING FUEL CELL SEPARATOR, AND FUEL CELL
JP2012020930 A 20120202	ROHM & HAAS	US20070933239P 20070605	C01B3/04; B01J27/128; C01B6/04; C01B6/15; C01D1/04; C01G53/08; H01M8/06	COMPOSITION FOR HYDROGEN GENERATION
US2012028163 A1 20120202	QUANTUMSPHERE INC [US]	US201113110841 20110518; US20070781909 20070723; US20060394456 20060331	H01M8/10; B01J23/42; B01J23/63; B01J31/06; H01M8/00	COMPOSITIONS OF NANOMETAL PARTICLES CONTAINING A METAL OR ALLOY AND PLATINUM PARTICLES
CN202159742U U 20120307	SHENZHEN HYDROGEN POWER TECHNOLOGY CO LTD	CN20112202186U 20110615	H01M8/02; H01M2/16; H01M2/18	Compound anion exchange membrane for fuel cell
US2012009499 A1 20120112	HANSEN LARS KIILSTOFTE [DK]; RASS-HANSEN JEPPE [DK]; NIELSEN JENS ULRIK [DK]; RASMUSSEN CLAUS [DK]; SKYUM IB [DK]	DK20090000418 20090326; WO2009EP09072 20091217	H01M8/24; C25B9/18	COMPRESSION ARRANGEMENT FOR FUEL OR ELECTROLYSIS CELLS IN A FUEL CELL STACK OR AN ELECTROLYSIS CELL STACK

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EP2406848 A1 20120118	TOPSOE FUEL CELL AS [DK]	WO2010EP01528 20100311; DK20090000365 20090313	H01M8/24; C25B1/08; C25B9/00; C25B9/20; H01M8/12	COMPRESSION CASING FOR A FUEL CELL STACK AND A METHOD FOR MANUFACTURING A COMPRESSION CASING FOR A FUEL CELL STACK
US2012009493 A1 20120112	OORJA PROTONICS INC [US]	US201113178667 20110708; US20100363048P 20100709	H01M8/04; H01M2/08; H01M8/10	COMPRESSION OF DIRECT METHANOL FUEL CELL STACKS WITH CATALYST COATED MEMBRANES AND MEMBRANE ELECTRODE ASSEMBLY
US2012009495 A1 20120112	OORJA PROTONICS INC [US]	US201113178384 20110707; US20100362419P 20100708	G01N27/416; G01N27/40; H01M8/24	CONCENTRATION SENSOR USING AN ELECTROLYTIC CELL FOR AQUEOUS HYDROCARBON FUEL
EP2447591 A1 20120502	VAILLANT GMBH [DE]	AT20100001781 20101027	F16T1/20; F16T1/22; H01M8/04	Condensate separator for fuel cell system in low pressure operation
KR20120045896 A 20120509	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100107771 20101101	H01M8/04; B60L11/18; F16K13/00; F16K31/06	CONDENSED WATER DRAIN VALVE FOR FUEL CELL SYSTEM
KR20120044671 A 20120508	UNI TECH CO LTD [KR]	KR20100106095 20101028	H01B1/24; H01M2/14; H01M8/02	CONDUCTIVE COMPOSITE MATERIAL COMPRISING EPOXY RESIN AND GRAPHITE
EP2466675 A1 20120620	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100127863 20101214; US201113242972 20110923; KR20110110716 20111	H01M8/02; C07D265/16; H01M4/86; H01M8/10	Conductive composition and method of preparation, polymer thereof, a

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US2012148938 A1 20120614	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100127863 20101214	H01M8/10; C08G73/06; C08J5/22; H01B1/12; H01M4/86	CONDUCTIVE COMPOSITION AND METHOD OF PREPARATION, POLYMER THEREOF, A
WO2012008534 A1 20120119	NISSAN MOTOR [JP]; HIMENO TOMOKATSU; YAMAMOTO KEISUKE; MIYAZAWA ATSUSHI; YAGINUMA MOTOKI	JP20100161610 20100716	C23C14/06; B32B15/04; H01B5/02; H01M8/02; H01M8/10	CONDUCTIVE MEMBER, MANUFACTURING METHOD THEREFOR, SEPARATOR FOR FUEL CELL, AND SOLID POLYMER FUEL CELL
JP4911975B2 B2 20120404		JP20030038846 20030217; WO2004JP01554 20040213; JP20050505000 20040213	C08F283/01; C08F290/00; H01B1/20; H01B1/24; H01M8/02	Conductive resin composition and fuel cell separators
JP2012015118 A 20120119	SHOWA DENKO KK [JP]	JP20030407765 20031205; JP20110183001 20110824	H01B1/20; C08K3/00; C08K3/38; C08K7/00; C08K7/06; C08K7/24; C08K9/02; C08L53/00; C08L101/00; H01B1/12; H01B5/02; H01M8/02	CONDUCTIVE RESIN COMPOSITION AND MOLDED ARTICLE THEREOF

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WO2012026498 A1 20120301	TOHO TENAX CO LTD [JP]; KUROKAWA KAZUMA [JP]; AKAMATSU TETSUYA [JP]	JP20110176966 20110812; JP20110083237 20110405; JP20100191353 20100827	H01M4/86; H01B1/24; H01M4/88; H01M4/96	CONDUCTIVE SHEET AND PRODUCTION METHOD FOR SAME
JP2012025164 A 20120209	SHOWA DENKO KK [JP]	JP20040145235 20040514; JP20110196491 20110908	B29C45/73; B29C43/02; B29C43/52; B29C45/00; H01B1/20; H01B13/00; H01M8/02	CONDUCTIVE STRUCTURE, PROCESS FOR PRODUCING THE SAME, AND SEPARATOR FOR FUEL CELL
JP2012049115 A 20120308	KYOCERA CORP [JP]	JP20100169403 20100728; JP20110158057 20110719	H01B1/08; C01G53/00; C04B35/50; H01M4/86; H01M8/02; H01M8/12	CONDUCTOR AND SOLID OXIDE FUEL BATTERY CELL, CELL STACK, AND FUEL BATTERY
AR080317 A1 20120328	INTELLIGENT ENERGY LTD [GB]	GB20100003281 20100226	H01M8/02	CONJUNTO DE CELDA DE COMBUSTIBLE LAMINADA
US2012164550 A1 20120628	NGK INSULATORS LTD [JP]	JP20100288135 20101224; JP20110202758 20110916; JP20110268512 201112	H01M8/24; H01M4/86; H01M8/02; H01M8/10	CONNECTED BODY CONNECTING ELECTRICALLY BETWEEN POWER GENERATION PART
WO2012073000 A1 20120607	INTELLIGENT ENERGY LTD [GB]; HOOD PETER [GB]	GB20100020478 20101203	H01M8/02; H01M8/24; H01R4/18	CONNECTOR SYSTEM FOR A FUEL CELL STACK

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US2012122138 A1 20120517	CYMTOX LTD	GB20090006836 20090421; WO2010GB00799 20100421	C12M1/34; C12M1/00; C12M1/12; C12N1/14; C12N1/20; C12N7/00; C12Q1/02	CONSUMABLE COMPONENT KIT
EP2412050 A1 20120201	FRAUNHOFER GES FORSCHUNG [DE]	WO2010DE00236 20100226; DE200910015794 20090326	H01M8/02	CONTACT ELEMENT FOR AN ELECTRICALLY CONDUCTIVE CONNECTION BETWEEN AN ANODE AND AN INTERCONNECTOR OF A HIGH- TEMPERATURE FUEL CELL
EP2426570 A1 20120307	SHARP KK [JP]	WO2010JP55246 20100325; JP20090110885 20090430	G05F1/00; G05F1/67; H01L31/04; H01M8/04; H01M10/44	CONTROL DEVICE AND CONTROL METHOD
CN102484271 A 20120530	NISSAN MOTOR [JP]	WO2010JP63293 20100805; JP20090214321 20090916	H01M8/04	Control Device And Control Method For Fuel Cell System
KR20120059691 A 20120611		KR20100121077 20101201	H01M8/04; B60L11/18; G01R31/36; G05D7/00	Control method for RPM of air blower at fuel cell initial starting
CN102520613 A 20120627	Southwest Jiaotong University	CN20111453444 20111230	G05B13/02; H01M8/04	Control method for two degrees of freedom (2DOF) of proton exchange membrane type fuel cell (PEMFC) system based on optimal oxygen enhancement ratio (OER)
KR20120056986 A 20120605		KR20100118509 20101126	H01M8/04; B60L11/18	Control method of fuel cell system that estimating malfunction of hy

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KR20120032360 A 20120405	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100093961 20100928	H01M8/04; B60L11/18; G01R31/36; G05D7/00	CONTROL METHOD OF THERMAL MANAGEMENT SYSTEM FOR FUEL CELL
CN102420333 A 20120418	DONGFANG ELECTRIC CORP	CN20111359750 20111114	H01M8/04; H01M8/18	Control method, apparatus and system for redox flow batteries
JP2012508557 A 20120405		US20080112716P 20081107; WO2009US63575 20091106	H02J7/00; H01M8/00; H01M8/04; H01M8/08; H01M8/10; H01M8/12; H01M8/14; H01M10/44; H02J7/02	CONTROL OF CELLS, MODULES AND A PACK COMPRISED OF HYBRIDIZED ELECTROCHEMISTRIES
EP2436081 A2 20120404	DEEYA ENERGY INC [US]	WO2010US36773 20100529; US20090182079P 20090528; US20090182660P 20090529	H01M8/18; G01R31/36; H01M8/04	CONTROL SYSTEM FOR A FLOW CELL BATTERY
CN102460810 A 20120516	DEEYA ENERGY INC [US]	WO2010US36773 20100529; US20090182660P 20090529	H01M8/18; G01R31/36; H01M8/04	Control system for a flow cell battery
CN102427140 A 20120425	DEC DONGFANG TURBINE CO LTD	CN20111430570 20111221	H01M8/04	Control system for all-vanadium redox flow energy storage cell stack
US2012148927 A1 20120614	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100125324 20101209	H01M8/06	CONTROLLER FOR ESTIMATING RELATIVE HUMIDITY AND CONDENSED WATER, AND

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JP2012036070 A 20120223	NIPPON SUIISO KK	JP20100186611 20100804	C01B3/24	CONVENIENT HYDROGEN PRODUCTION APPARATUS CARRYING OUT THERMAL DECOMPOSITION OF ACETYLENE ON VEHICLE
KR20120051238 A 20120522	HYUNDAI MOTOR CO LTD [KR]	KR20100112577 20101112	H01M8/04; F25D17/00	COOLANT HEATING DEVICE FOR FUEL CELL SYSTEM
WO2012062432 A1 20120518	DAIMLER AG [DE]; HAASTER TOM [DE]; MITTMANN MARIO [DE]	DE201010051345 20101113	H01M8/04; B60K1/04; B60K11/00; B60L11/18; C09K5/10; H01M8/00	COOLING ARRANGEMENT FOR A VEHICLE, AND VEHICLE
US2012148930 A1 20120614	MANN & HUMMEL GMBH [DE]	DE200910037080 20090813; DE200910049427 20091014; WO2010EP61808 2010	H01M8/04; B01D27/02	Cooling Device for a Functional System
EP2409353 A1 20120125	DAIMLER AG [DE]	WO2010EP01450 20100309; DE200910013776 20090318	H01M8/04; H01M8/00	COOLING DEVICES FOR A FUEL CELL SYSTEM
JP2012009263 A 20120112	TOYOTA MOTOR CORP [JP]; NIPPON CHEMICAL IND	JP20100143912 20100624	H01M8/04; C09K5/16	COOLING LIQUID COMPOSITION FOR FUEL CELL
US2012141897 A1 20120607	HONDA MOTOR CO LTD [JP]	US201213370929 20120210; JP20020346335 20021128; JP20020347667 20021	H01M8/04	COOLING METHOD FOR FUEL CELL
JP2012003944 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100137975 20100617	H01M8/04	COOLING METHOD OF FUEL CELL AND FUEL CELL SYSTEM

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KR20120056969 A 20120605		KR20100118474 20101126	H01M8/04; B60L11/18; F25D17/00	Cooling module and cooling system for fuel-cell vehicles
KR20120045895 A 20120509	HYUNDAI MOTOR CO LTD [KR]	KR20100107770 20101101	H01M8/04; B60L11/18; F16K13/00; F16K31/06	COOLING STARTING VALVE FOR FUEL CELL VEHICLE
US2012045706 A1 20120223	TOYOTA MOTOR CO LTD [JP]	US201113284281 20111028; JP20050357543 20051212; JP20060073071 20060316; JP20060316178 20061122; US20080085958 20080603; WO2006IB03552 20061211	H01M8/04	COOLING SYSTEM AND METHOD OF A FUEL CELL
JP2012023795 A 20120202	TOYOTA MOTOR CO LTD [JP]	JP20100157509 20100712	B60L11/18; B60H1/08; H01M8/04	COOLING SYSTEM, AND METHOD FOR CONTROLLING THE SAME
KR20120048055 A 20120515	HYUNDAI MOTOR CO LTD [KR]	KR20100109471 20101105	H01M8/04; B60H1/00; B60L11/18	COOLING WATER HEATING APPARATUS FOR FUEL CELL HAVING BYPASS STRUCTUR
US2012129067 A1 20120524	HYUNDAI MOTOR CO LTD [KR]	KR20100115654 20101119	H01M8/04	COOLING WATER SUPPLY SYSTEM AND COOLING WATER SUPPLY METHOD FOR FUEL
ES2380553T T3 20120516	KRATON POLYMERS RES BV [NL]	US20050701768P 20050722; WO2006EP64517 20060721	C08L41/00; A61F13/15; B01D67/00; D04H1/42; H01M8/10	Copolímeros de bloques sulfonados, los métodos para la fabricación y

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FR2965811 A1 20120413	COMMISSARIAT ENERGIE ATOMIQUE [FR]; CENTRE NAT RECH SCIENT [FR]	FR20100058230 20101011	C08F214/18; C08F216/14; H01M8/02; H01M8/10	COPOLYMERES HALOGENES COMPRENANT AU MOINS UN MOTIF REPETITIF VINYLETHER PORTEUR D'UN GROUPE PENDANT CARBONATE
JP2012077802 A 20120419	DAIWA CAN CO LTD	JP20100221846 20100930	F16L37/40; F16L37/12	COUPLER
JP2012077801 A 20120419	DAIWA CAN CO LTD	JP20100221845 20100930	F16L37/12; F16L37/40	COUPLER WITH VALVE
DE102010052654 A1 20120531	DAIMLER AG [DE]	DE201010052654 20101126	H01M8/04	Coupling device for fluid-to-fluid exchanger in fuel cell system for
JP2012111950 A 20120614	UNIV STUTTGART INST FUER CHEMISCHE VERFAHRENSTECHNIK	DE20001024576 20000519	C08F8/44; C08G65/48; C08G75/23; C08G81/00; C08G85/00; C08J5/18; H01M8/02	COVALENTLY AND IONICALLY CROSSLINKED POLYMER AND POLYMER MEMBRANE
US2012058408 A1 20120308	ANGSTROM POWER INC [CA]	US201113293666 20111110; US20090355564 20090116; US20080021822P 20080117	H01M8/04	COVERS FOR ELECTROCHEMICAL CELLS AND RELATED METHODS
US2012164547 A1 20120628	BLOOM ENERGY CORP [US]	US201213414354 20120307; US20070905477 20071001; US20070935092P 2007	H01M8/06; H01M8/04	CPOX Reactor Design for Liquid Fuel and Liquid Water

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KR20120033127 A 20120406	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100094730 20100929	H01M8/04; G01R31/36; H01M8/02; H01M8/10	CRACK DETECTION METHOD OF METAL SEPARATOR FOR FUEL CELL STACK
KR20120064354 A 20120619	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100125545 20101209	G01M3/26; H01M8/02	CRACK DETECTION-FORMING DEVICE FOR SEPARATOR FOR FUEL CELL
JP2012022961 A 20120202	TOYOTA MOTOR CO LTD [JP]	JP20100161463 20100716	H01M8/04	CREATION METHOD OF BONDING MODEL
PL1984533T T3 20120131		DE200610007598 20060218	C22C38/00; C22C38/18; H01M8/02	CREEP-RESISTANT FERRITIC STEEL
KR20120065179 A 20120620	RES & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY [KR]	KR20100126551 20101210	C08G61/12; C08G75/26; H01M2/16; H01M8/10	CROSS-LINKABLE POLY(ARYLENE ETHER KETONE) WITH SULFONATED BACKBONE C
KR20120065181 A 20120620	RES & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY [KR]	KR20100126554 20101210	C08G61/12; C08G75/30; H01M2/14; H01M8/10	CROSS-LINKABLE POLY(ARYLENE ETHER KETONE) WITH SULFONATED BACKBONE,
CN102479962 A 20120530	Dalian Institute of Chemical Physics, Chinese Academy of Sciences; Dalian Rongke Power Co., Ltd.	CN20101563791 20101129	H01M8/02; C08J3/24; C08J5/22; C08K5/31; H01M2/16	Cross-linked anion membrane, preparation method thereof and application
CN102332595 A 20120125	SUMITOMO CHEMICAL CO [JP]	JP20050108289 20050405; JP20050108290 20050405	H01M8/10; C08J5/22	Crosslinked polymer electrolyte and method for producing same

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JP2012064510 A 20120329	TOPPAN PRINTING CO LTD [JP]	JP20100209381 20100917	H01M8/02; C08J5/22; H01B1/06; H01M8/10	CROSSLINKED POLYMER ELECTROLYTE MEMBRANE, MEMBRANE ELECTRODE ASSEMBLY USING THE SAME, AND FUEL CELL
KR20120001559 A 20120104	LG CHEMICAL LTD [KR]; SNU R& DB FOUNDATION [KR]	KR20100061652 20100629	H01M8/10; C08G61/12; C08J5/20; H01M8/02	CROSSLINKED POLYMER, AND ELECTROLYTE MEMBRANE FOR FUEL CELL COMPRISING THE SAME
DE102010050867 A1 20120510	SCHOTT AG [DE]	DE201010050867 20101109	C03C8/24; C03C3/062; C03C3/078; C03C10/00; H01M8/02	Crystallizable solder glass used for e.g. fuel cell, comprises sinte
EP2403812 A1 20120111	SCHOTT AG [DE]	WO2010EP01301 20100303; DE200910011182 20090304; EP20100001512 20100215; EP20100706552 20100303	C03C3/064; C03C8/24; C03C27/04; C03C27/10; C03C29/00; H01M8/02	CRYSTALLIZING GLASS SOLDER AND USE THEREOF
KR20120022270 A 20120312	PUSAN NAT UNIV IND COOP FOUND [KR]	KR20100085686 20100901	H01M8/16; C22C9/06; G01N27/30; H01M8/02	CU-CO ALLOY DENDRITE ELECTRODE AND BIOFUEL CELL COMPRISING THE SAME

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WO2012043871 A1 20120405	MAGNEX CO LTD [JP]; TOKYO METROPOLITAN IND TECHNOLOGY RES INST [JP]; SHIMA SEIKI MFG [JP]; KASHIMOTO AKIYOSHI [JP]; SAKAMOTO SUMIKA [JP]; MOGI HIROTAKA [JP]; ABE MASAKI [JP]; HIGUCHI AKIHISA [JP]; HAMADA YOHJI [JP]; GOTO MASASHI [JP]; KOSUI TATSUYA [JP]	JP20100222197 20100930	H01M8/02; H01M8/12	CURRENT COLLECTING MATERIAL FOR FUEL CELL
CN102522577 A 20120627	DONGFANG ELECTRIC CORP	CN20111459777 20111231	H01M8/02; H01M8/18	Current collecting plates and liquid stream battery stack adopting same
TWM426148U U 20120401	GEN OPTICS CORP [TW]	TW100220325U 20111028	H01M8/00	Current collection plate and battery device
JP2012119288 A 20120621	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100270952 20101203	H01M8/18; H01M8/02; H01M8/04; H01M8/24	CURRENT COLLECTION STRUCTURE OF BATTERY, BATTERY CELL STACK, AND REDOX FLOW BATTERY
JP2012023062 A 20120202	KYOCERA CORP [JP]	JP20110241076 20111102	H01M8/02; H01M8/24	CURRENT COLLECTION STRUCTURE OF FUEL BATTERY CELL STACK
JP2012119333 A 20120621	KYOCERA CORP [JP]	JP20120025810 20120209	H01M8/02	CURRENT COLLECTION STRUCTURE OF FUEL CELL

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EP2436083 A1 20120404	EVEREADY BATTERY INC [US]	WO2010US36271 20100527; US20090182285P 20090529	H01M12/06; H01M4/66; H01M4/86; H01M4/88; H01M4/90; H01M8/02; H01M8/08	CURRENT COLLECTOR FOR CATALYTIC ELECTRODE
JP2012511243 A 20120517		US20080120686P 20081208; WO2009US67203 20091208	H01M4/86; H01M4/88; H01M8/02; H01M8/12	Current Collectors for Solid Oxide Fuel Cell Stacks
JP2012113884 A 20120614	DENSO CORP	JP20100260402 20101122	H01M8/04; G01R15/14	CURRENT MEASUREMENT APPARATUS
JP2012072807 A 20120412	AISIN SEIKI [JP]	JP20100216857 20100928	F16K17/04; H01M8/04	CUTOFF VALVE AND FUEL CELL SYSTEM INCLUDING THE SAME
JP2012063007 A 20120329	IMAE KOGYO KK	JP20100198276 20100818; JP20110099449 20110427	F16L59/02	CYLINDRICAL HEAT INSULATING MATERIAL AND THERMAL DEVICE USING THE SAME
JP2012014858 A 20120119	YAMADA TAKEMASA	JP20100147417 20100629	H01M8/24; H01M8/02; H01M8/12	CYLINDRICAL SOLID OXIDE TYPE FUEL BATTERY
US2012045709 A1 20120223	GM GLOBAL TECH OPERATIONS INC [US]	US20100859343 20100819	H01M8/24	DATUM INSERT FOR SHORTING PROTECTION ON A FUEL CELL PLATE
WO2012035387 A1 20120322	PANASONIC CORP [JP]; KAGAWA TAKUYA [JP]; TAMURA HIDEKI [JP]	JP20100207251 20100915	H01R13/703	DC CONNECTION DEVICE
KR20120027752 A 20120322	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100089523 20100913	G01R31/02; G01R27/02; H01M8/00	DEFECT CHECKING DEVICE OF MEMBRANE ELECTRODE ASSEMBLY

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JP2012089448 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100237711 20101022	H01M8/04	DEGRADATION DETERMINATION SYSTEM FOR FUEL CELL
US2012015279 A1 20120119	KOREA INST SCI & TECH [KR]	KR20100069211 20100716	H01M8/10; B05D1/36; B05D5/12; B32B3/10; C23C16/44; H01M8/00	DENSE THIN FILIM, FUEL CELL USING THE SAME AND FABRICATION METHODS THEREOF
RU2442719 C1 20120220	FEDERAL NOE G OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA MORSKOJ GU IM ADM [RU]	RU20100127728 20100705	B01D1/22; B01D61/42; B63J1/00; C02F1/04; C02F1/469; H01M8/18; H01M14/00	DESALINATION INSTALLATION AND ELECTRICITY PRODUCTION PLANT (MODIFICATIONS)
KR20120034939 A 20120413	AJIN IND CO LTD [KR]	KR20100096337 20101004	H01M8/06; B01D53/48; H01M8/12	DESULFURIZATION APPARATUS INTEGRATED WITH A HUMIDIFIER AND A HEAT EXCHANGER, AND DESULFURIZATION METHOD THEREOF
JP2012062367 A 20120329	TOYOTA MOTOR CORP [JP]; AISIN SEIKI; OSAKA GAS CO LTD	JP20100206052 20100914	C10L3/10; C01B3/38; H01M8/06	DESULFURIZATION SYSTEM AND METHOD OF CONTROLLING THE SAME
EP2446370 A1 20120502	ELECTRICITE DE FRANCE [FR]; INRETS [FR]; UNIV FRANCHE COMTE [FR]	WO2010FR51295 20100624; FR20090054357 20090625	G06F17/00; G01N37/00; G01R31/36; G06F17/14; H01M8/04	DETECTION OF DEFECTS IN AN ELECTROCHEMICAL DEVICE
DE102011101643 A1 20120412	GM GLOBAL TECH OPERATIONS INC [US]	US20100784060 20100520	H01M8/04	DETECTION OF SMALL ANODE LEAKS IN FUEL CELL SYSTEMS

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US2012129066 A1 20120524	RENAULT SA [FR]	FR20080058913 20081222; WO2009FR52305 20091126	H01M8/04; F01P7/16	DEVICE AND METHOD FOR COOLING A THERMAL MEMBER IN AN AUTOMOBILE
CN102456902 A 20120516	Shanghai Sunrise Power Co.,Ltd.	CN20111391790 20111201	H01M8/04; H01M8/06	Device and method for decreasing concentration of tail-emitted hydrogen of fuel cell power generation system
JP2012099371 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100246921 20101103	H01M8/02; B21D22/02; B21D43/00; B21D53/00	DEVICE AND METHOD FOR MANUFACTURING FUEL CELL SEPARATOR
CN102398955 A 20120404	UNIV SHANGHAI JIAOTONG	CN20111273369 20110915	C02F1/30; C02F1/46; C02F1/70; C02F1/72; H01M8/06	Device and method for treating organic wastewater with TiO2 photocatalysis rotary disc fuel cell
DE102010052703 A1 20120531	DAIMLER AG [DE]	DE201010052703 20101126	H01M8/04; B60L11/18	Device for adjusting temperature of fuel cell of omnibus, has heatin
DE102010026608 A1 20120112	MAGNA STEYR FAHRZEUGTECHNIK AG [AT]	DE201010026608 20100709	H02J17/00; H01M8/04; H02J4/00; H02J15/00	Device for attaching power supply modules to electric appliance of electric car, has alternating current (AC)-direct current (DC) converters whose AC and DC sides are coupled to device-side coils and electric appliance respectively
KR20120063918 A 20120618	HYUNDAI MOTOR CO LTD [KR]	KR20100125096 20101208	H01M8/04; B60L11/18; F01P11/00	DEVICE FOR CIRCULATION COOLING WATER TO THE FUEL CELL STACK
CN102324542 A 20120118	Xi'an Jiaotong University	CN20111213677 20110728	H01M8/16; C02F3/34	Device for coprocessing heavy metal waste water and organic waste water and generating electric power

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JP2012505391 A 20120301		FR20080056878 20081010; WO2009EP62960 20091006	G01N27/416; H01M8/04	DEVICE FOR DETERMINING CARBON MONOXIDE CONCENTRATION AND RELATED METHOD
WO2012056070 A1 20120503	MARTINEZ MENDOZA DIEGO [ES]; GONZALEZ AMALIACH CANO ANTONIO [ES]	ES20100031593 20101029	F02B43/10; C01B3/04; H01M8/04	DEVICE FOR GENERATING HYDROGEN FOR INTERNAL-COMBUSTION ENGINES
WO2012008376 A1 20120119	SONY CORP [JP]; SAKAI HIDEKI [JP]; MITA HIROKI [JP]; TOKITA YUICHI [JP]	JP20100162130 20100716	C25B3/04; C01B31/20; C25B11/03; C25B11/06; H01M8/16	DEVICE FOR IMMOBILIZING CARBON DIOXIDE
KR20120065824 A 20120621	CHUNGPA EMT CO LTD [KR]	KR20100127137 20101213	H01M8/04; G01R31/36	DEVICE FOR MEASURING PERFORMANCE OF FUELCELL AND METHOD FOR MEASURIN
KR20120059766 A 20120611		KR20100121188 20101201	H01M8/04; G01N3/00; G01R27/00; H01M8/10	Device for measuring physical properties of GDL for fuel cell
KR20120065498 A 20120621	DOOSAN HEAVY IND & CONSTRUCTION CO LTD [KR]	KR20100126658 20101213	G01K1/10; G01K7/02; G01K7/06; H01M8/04	DEVICE FOR MEASURING PLANE TEMPERATURE DISTRIBUTION OF AN ELECTRODE
JP2012104405 A 20120531	TOYOTA MOTOR CO LTD [JP]	JP20100252696 20101111	H01M8/02; B05C13/00; H01M4/88; H01M8/10	DEVICE FOR PRODUCING CATALYST COATED MEMBRANE AND METHOD FOR PRODUCI
KR20120014151 A 20120216	DCNS [FR]	FR20090052602 20090421	B63G8/08; H01M8/00; H01M8/04; H01M8/12	DEVICE FOR PRODUCING ELECTRICITY FOR A SUBMARINE COMPRISING A FUEL CELL

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DE102010052764 A1 20120531	MTU ONSITE ENERGY GMBH [DE]	DE201010052764 20101130	G01N1/04; G01N1/02; G01N1/20; H01M8/04	Device for removal of solid material sample of fuel cell hot gas fro
US2012135324 A1 20120531	SANYO ELECTRIC CO [JP]	JP20090180091 20090731; WO2010JP01866 20100316	H01M8/06	DEVICE FOR REMOVING GENERATED WATER
US2012129061 A1 20120524	SANYO ELECTRIC CO [JP]	JP20090180089 20090731; WO2010JP01863 20100316	H01M8/06	DEVICE FOR REMOVING GENERATED WATER
US2012129060 A1 20120524	SANYO ELECTRIC CO [JP]	JP20090180090 20090731; WO2010JP01864 20100316	H01M8/06	DEVICE FOR REMOVING GENERATED WATER
DE102010038490 A1 20120202	BAYERISCHE MOTOREN WERKE AG [DE]	DE201010038490 20100727	F02M21/02; C01B3/26; H01M8/06	Device for supplying fuel to a combustion chamber, comprises a first storage tank for a carrier agent such as liquid organic hydrogen enriched with the hydrogen, and a second storage tank for a dehydrated carrier agent
JP2012513658 A 20120614		US20080139651P 20081222; US20090160501P 20090316; WO2009US68455 2009	H01M12/06; H01M8/02	DEVICE HAVING FLUID CONSUMING BATTERY AND FLUID MANAGER
US2012028152 A1 20120202	GM GLOBAL TECH OPERATIONS INC [US]	US20100844423 20100727	H01M8/04	DIAGNOSIS AND REMEDIATION OF LOW ANODE HYDROGEN PARTIAL PRESSURE IN A PEM FUEL CELL SYSTEM

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DE102010049548 A1 20120426	DAIMLER AG [DE]	DE201010049548 20101025	H01M8/02; H01M8/10	Diaphragm assembly manufacturing method, involves mounting frame elements on inner area of section surfaces such that electrolyte membrane and/or catalyst layers completely cover section surfaces and/or project into section surfaces
CN102522574 A 20120627	Shandong Dongyue Polymer Material Co., Ltd.	CN20111438699 20111224	H01M8/02; C08J7/06; C08L27/18; C08L29/10; H01M2/16	Diaphragm for flow battery and preparation method thereof
AT549762T T 20120315	TOPSOE FUEL CELL AS [DK]	DK20070001445 20071005	H01M8/02	DICHTUNG FÜR EINE PORÖSE METALLFOLIE ENTHALTENDE BRENNSTOFFZELLE
AT542254T T 20120215	INTELLIGENT ENERGY LTD [GB]	GB20060009566 20060513; WO2007GB01759 20070514	H01M8/02; H01M8/10	DICHTUNGEN FÜR BRENNSTOFFZELLEN
AT552621T T 20120415	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE200810013281 20080308; WO2009DE00221 20090218	H01M8/02; B23K1/00; B23K1/008; F16J15/06; F16J15/10; H01M8/12	DICHTUNGSANORDNUNG FÜR HOCHTEMPERATUR-BRENNSTOFFZELLENSTAPEL
AT556450T T 20120515	ELRINGKLINGER AG [DE]	DE200510048213 20050929; WO2006EP09415 20060928	H01M8/02; H01M8/24	DICHTUNGSANORDNUNG MIT SILBERBASISLOT FÜR EINE HOCHTEMPERATURBRENNST
CN102456890 A 20120516	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101524784 20101029	H01M8/02	Diffusion layer of URFC (unitized regenerative fuel cell) and preparation method thereof

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KR20120024012 A 20120314	POSTECH ACAD IND FOUND [KR]	KR20100086536 20100903	H01M8/12; C04B35/01; C04B38/00; H01M8/02	DIFFUSION PREVENTING MATERIAL FOR SOLID OXIDE FUEL CELL, SOLID OXIDE FUEL CELL COMPRISING THE SAME AND MANUFACTURING METHOD THEREOF
JP2012084536 A 20120426	TDK CORP	JP20040194656 20040630; JP20110277554 20111219	H01M4/90; H01M8/02; H01M8/10	DIRECT ALCOHOL FUEL CELL AND METHOD FOR PRODUCING THE SAME
CN102522585 A 20120627	CHANGCHUN APPLIED CHEMISTRY, Chinese Academy of Sciences	CN20121002051 20120105	H01M8/10; H01M8/04	Direct alcohol fuel cell power generation system
JP2012052787 A 20120315	TOSHIBA CORP [JP]; TOSHIBA FUEL CELL SYSTEMS CORP	JP20100175054 20100804; JP20110171215 20110804	F28C3/08; F24F6/00; F24F6/02; H01M8/04; H01M8/10	DIRECT CONTACT TYPE HEAT EXCHANGER AND POLYMER ELECTROLYTE FUEL CELL SYSTEM
TW201218497 A 20120501	NAT KAOHSIUNG UNIVERSITY OF APPLIED SCIENCE [TW]	TW20100136276 20101025	H01M8/08; H01M4/88	Direct methanol fuel cell structure
DE102010041465 A1 20120329	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	DE201010041465 20100927	H01M8/04	Direct methanol fuel cell system for use in e.g. mobile applications, for electricity generation, has moistening device enabling direct transfer of water from exhaust gas to oxidizer gas and heat transfer from exhaust gas to oxidizer gas
JP2012059617 A 20120322	FUJIKURA LTD	JP20100203292 20100910	H01M4/86; H01M8/02; H01M8/10	DIRECT METHANOL TYPE FUEL CELL WITH HUMIDITY ADJUSTMENT LAYER

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WO2012001839 A1 20120105	PANASONIC CORP [JP]; MITSUI MASAKI [JP]; AKIYAMA TAKASHI; KUSUMOTO JUNYA [JP]; KAWATA ISAMU [JP]	JP20100148190 20100629	H01M8/06; H01M8/04; H01M8/10	DIRECT OXIDATION FUEL CELL SYSTEM
US2012156590 A1 20120621	WANG CHAO-YANG [US]; WANG LIANG [US]; LENG YONGJUN [US]; MATSUDA HIR	US20100973149 20101220	H01M8/04; H01M8/00; H01M8/22	DIRECT OXIDATION FUEL CELL WITH IMPROVED FUEL DISTRIBUTION
WO2012022921 A1 20120223	UNIV JOSEPH FOURIER [FR]; CENTRE NAT RECH SCIENT [FR]; COSNIER SERGE [FR]; HOLZINGER MICHAEL [FR]; LE GOFF ALAN [FR]; ZEBDA ABDELKADER [FR]	FR20100056672 20100819	H01M4/90; H01M4/88; H01M8/16	DIRECT-TRANSFER BIOPILE
FR2969394 A1 20120622	RENAULT SA [FR]	FR20100060695 20101217	H01M8/04	DISPOSITIF DE DECHARGE D'UNE ENCEINTE
FR2965214 A1 20120330	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20100057846 20100929	B41J2/17; B41J2/14; B41J29/377; H01M4/92; H01M4/96; H01M8/00	DISPOSITIF DE JET D'ENCRE REFRIGERE ET PROCEDE METTANT EN OEUVRE UN TEL DISPOSITIF

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FR2968462 A1 20120608	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]	FR20100060097 20101206	H01M8/06; B60L11/18; C25B1/04; H01M8/04	DISPOSITIF DE PRODUCTION D'ELECTRICITE PAR PILE A COMBUSTIBLE.
FR2967695 A1 20120525	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20100059639 20101123	C25B9/18; F16J15/02; H01M8/02	DISPOSITIF FORMANT UN JOINT D'ETANCHEITE ENTRE DEUX ESPACES DE GAZ R
BRPI1002748 A2 20120403	UNIV FED DA BAHIA [BR]	BR2010PI02748 20100730	H01M8/00	dispositivo para caracterização de pilhas a combustivel de óxido sólido
ES2371815T T3 20120110	REDSTACK B V [NL]	NL20081035090 20080227	H01M8/22	DISPOSITIVO Y METODO PARA REALIZAR UN PROCEDIMIENTO DE ELECTRODIALISIS INVERSA.
JP2012014872 A 20120119	NTT DOCOMO INC	JP20100147995 20100629	H01M8/04; H01M8/06	DMFC TYPE FUEL BATTERY
KR20120002138 A 20120105	SAMSUNG SDI CO LTD [KR]	KR20100062873 20100630	H01M8/04; F04D29/00; H01M8/06; H01M8/10	DRIVING METHOD OF FUEL CELL SYSTEM
CN102468497 A 20120523	GM GLOBAL TECH OPERATIONS INC [US]	US20100949134 20101118	H01M8/02	Dual channel step in fuel cell plate
US2012074908 A1 20120329	GOVERNMENT OF THE US SECRETARY OF THE NAVY [US]	US201113245792 20110926; US20100386084P 20100924	H02J7/00; H01M4/86; H01M8/08; H01M8/10	DUAL-FUNCTION AIR CATHODE NANOARCHITECTURES FOR METAL-AIR BATTERIES WITH PULSE-POWER CAPABILITY
US2012156583 A1 20120621	UNIV CHUNG YAN CHRISTIAN [TW]	TW20100144899 20101221	H01M8/04; B29C45/14	DUAL-MATERIAL CO-INJECTION MOLDED BIPOLAR PLATE AND THE MANUFACTURIN

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US2012148937 A1 20120614	PIERPONT DANIEL M [US]; HAMROCK STEVEN J [US]; FREY MATTHEW H [US]	US201213396093 20120214; US20080342370 20081223; US20070017027P 2007	H01M8/10	DURABLE FUEL CELL MEMBRANE ELECTRODE ASSEMBLY WITH COMBINED ADDITIVE
US2012045704 A1 20120223	DU PONT [US]	US201113211369 20110817; US20100374749P 20100818	H01M8/04; H01M4/90; H01M8/10	DURABLE IONOMERIC POLYMER FOR PROTON EXCHANGE MEMBRANE AND MEMBRANE ELECTRODE ASSEMBLIES FOR ELECTROCHEMICAL FUEL CELL APPLICATIONS
CN102407782 A 20120411	CAIYUAN HAN	CN20101505025 20100923	B60L11/18; H01M8/02	Dynamic metal fuel cell type electric automobile
CN202131086U U 20120201	BEIJING GREEN HOUSE ENVIRONMENT ENERGY TECHNOLOGY LTD	CN20112139928U 20110505	C01B3/08; H01M8/06	Dynamic self-balancing gas generating device
US2012064423 A1 20120315	GM GLOBAL TECH OPERATIONS INC [US]	US201113107526 20110513; US20100382724P 20100914	H01M8/04	DYNAMIC VOLTAGE SUPPRESSION IN A FUEL CELL SYSTEM
WO2012068281 A2 20120524	CERAMATEC INC [US]; ELANGO VAN S [US]; HARTVIGSEN JOSEPH [US]	US20100950120 20101119	C25B9/06; C25B1/02; C25B11/04; H01M8/06	EFFICIENT REVERSIBLE ELECTRODES FOR SOLID OXIDE ELECTROLYZER
CN102499826 A 20120620	Wuxi Anyda New Energy Technology Co., Ltd.	CN20111380038 20111124	A61G5/04; H01M8/06	Electric scooter powered by hydrogen fuel cells

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KR20120032754 A 20120406	OSUN TECH CO LTD [KR]	KR20100094261 20100929	H01M8/04; G05B9/02; H01M10/44; H02J7/00	ELECTRIC VALVE CONTROLLER OF FUEL CELL SYSTEM, SYSTEM AND METHOD FOR BLOCKING FUEL SUPPLY INTO POWER CUT ZONE
JP2012016098 A 20120119	HONDA MOTOR CO LTD [JP]	JP20100148270 20100629	B60L11/18; H01M2/10; H01M8/00; H01M8/04; H01M10/44; H02J7/00	ELECTRIC VEHICLE
EP2432106 A1 20120321	HONDA MOTOR CO LTD [JP]	WO2009JP51002 20090122; JP20080026445 20080206	H02M3/155; B60L3/00; B60L11/18; H01L23/473; H01M8/00	ELECTRIC VEHICLE, AND METHOD FOR COOLING VEHICULAR DC/DC-CONVERTER
FR2963484 A1 20120203	E4V [FR]	FR20100056275 20100729	H01M8/24; B60L11/18	Electrical battery useful in a motor vehicle, comprises a casing, a set of energy generating cells, a longitudinal arrangement consisting of the energy generating cells, a cooling system, and an electrically insulating plate
WO2012069455 A1 20120531	SIEMENS AG [DE]; DRENCKHAHN WOLFGANG [DE]; LANDES HARALD [DE]; VORA SHAILESH D [US]; MENAPACE WOLFGANG [DE]; VORTMEYER NICOLAS [DE]	US20100953507 20101124	H01M8/18; H01M8/20; H01M12/08; H01M14/00	ELECTRICAL ENERGY STORAGE DEVICE

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KR20120001858 A 20120105	SAMSUNG HEAVY IND [KR]	KR20100062459 20100630	F02G1/043; F01K27/00; F03G7/05; H01M8/06	ELECTRICAL POWER GENERATING APPARATUS USING HEAT OF SUBMARINE HYDROTHERMAL DEPOSIT
DE102010032886 A1 20120202	DAIMLER AG [DE]	DE201010032886 20100730	H01M8/04; H01M10/50	Electrical power supply system for providing operating power to e.g. passenger car, has heat source connected with separation unit of refrigerating unit, and formed by waste heat from region of supply and/or removal of medium to/from cell
AU2010282936 A1 20120209	SIEMENS ENERGY INC [US]	US20090232533P 20090810; US20100695386 20100128; WO2010US39919 20100625	H01M12/08; H01M12/00; H01M14/00	Electrical storage device including oxide-ion battery cell bank and module configurations
PL392293 A1 20120312	INST TECH ELEKTRONOWEJ [PL]	PL20100392293 20100901	H01L21/00; B81C1/00; F16K15/00; H01L21/3065; H01L27/00; H01M8/04	Electrically controlled silicon microvalve
WO2012000743 A1 20120105	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]; DELFINO ANTONIO [FR]	FR20100055212 20100629	H01M8/06; H01M8/04	ELECTRICALLY POWERED VEHICLE HAVING A FUEL CELL COMPRISING A SODIUM CHLORATE DECOMPOSITION REACTOR FOR SUPPLYING THE CELL WITH OXYGEN

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US2012021303 A1 20120126	AMENDOLA STEVEN [US]; BINDER MICHAEL [US]; BLACK PHILLIP J [US]; SHARP-GOLDMAN STEFANIE [US]; JOHNSON LOIS [US]; KUNZ MICHAEL [US]; OSTER MICHAEL [US]; CHCIUK TESIA [US]; JOHNSON REGAN [US]	US20100841115 20100721	H01M8/22	ELECTRICALLY RECHARGEABLE, METAL-AIR BATTERY SYSTEMS AND METHODS
EP2444314 A1 20120425	DAEWOO SHIPBUILDING & MARINE [KR]	KR	B63J99/00; B63B25/16; B63H21/12; B63H21/20; B63J3/00; C01B3/38; H01M8/04; H01M8/06	ELECTRICITY GENERATING DEVICE OF LNG CARRIER AND METHOD THEREOF
US2012115059 A1 20120510	UNIV YUAN ZE [TW]	US20100939466 20101104	H01M8/04	ELECTRICITY OUTPUT MANAGING SYSTEM FOR A FUEL CELL STACK
WO2012081207 A1 20120621	PANASONIC CORP [JP]; TATSUI HIROSHI; MORITA JUNJI; YASUDA SHIGEKI [JP]; YUKIMASA AKINORI; INOUE ATSUTAKA	JP20100276955 20101213	H01M8/04; H01M8/06	ELECTRICITY-GENERATION SYSTEM AND METHOD FOR OPERATING SAME

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WO2012081205 A1 20120621	PANASONIC CORP [JP]; TATSUI HIROSHI; MORITA JUNJI; YASUDA SHIGEKI [JP]; YUKIMASA AKINORI; INOUE ATSUTAKA	JP20100276951 20101213	H01M8/04; H01M8/06	ELECTRICITY-GENERATION SYSTEM AND METHOD FOR OPERATING SAME
JP2012081469 A 20120426	DU PONT [US]	US20030447351P 20030213	B01J23/46; B01J21/18; B01J23/00; B01J23/40; B01J23/44; B01J23/74; H01M2/00; H01M2/02; H01M2/14; H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M4/96; H01M8/02; H01M8/10	ELECTROCATALYST AND METHOD FOR MANUFACTURING
WO2012053638 A1 20120426	NISSAN MOTOR [JP]; IDEN HIROSHI; OHMA ATSUSHI; SAKAI KEI; SATOU KAZUYUKI; ONO YOSHITAKA; TANAKA HIROYUKI; AKIZUKI KEN	WO2011JP71228 20110916; JP20100237263 20101022	H01M4/86; H01M4/96; H01M8/02; H01M8/10	ELECTROCATALYST FOR SOLID POLYMER FUEL CELL
EP2434570 A1 20120328	SIEMENS AG [DE]	EP20100178290 20100922	H01M8/24; C25B9/20	Electrochemical battery and method for removing cells from same

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EP2448050 A1 20120502	JD HOLDING INC [KY]	EP20070843164 20070925; US20070893929 20070817	H01M6/24; H01M2/40; H01M8/02; H01M8/18; H01M8/24	Electrochemical battery incorporating internal manifolds
CN102485326 A 20120606	Huang Daren	CN20101575698 20101206	B01D53/86; B01D53/56; B01D53/62; B01D53/72; B01D53/92; H01M8/06	Electrochemical catalyst converter
JP2012507120 A 20120322		US20080108304P 20081024; WO2009US61686 20091022	H01M4/90; B01J23/46; B01J35/02; B01J35/04; B01J37/02; B01J37/08; H01M4/86; H01M4/88; H01M8/10	ELECTROCHEMICAL CATALYSTS FOR FUEL CELLS
EP2462644 A1 20120613	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20090055461 20090803; WO2010EP60978 20100728	H01M4/86; C25B1/04; H01M4/88; H01M8/02; H01M8/12	ELECTROCHEMICAL CELL HAVING A METAL SUBSTRATE, AND METHOD FOR MANUFA
US2012009497 A1 20120112	JACOBSON CRAIG P [US]; LU CHUN [US]; DEJONGHE LUTGARD C [US]	US201113157430 20110610; US20080094156 20080609; WO2006US45199 20061122; US20050739229P 20051123	H01M8/24; C25B9/18	ELECTROCHEMICAL CELL HOLDER AND STACK

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JP2012049143 A 20120308	UNIV CALIFORNIA [US]	US20020378701P 20020507	H01M8/24; H01M4/86; H01M4/88; H01M4/90; H01M8/02; H01M8/04; H01M8/06; H01M8/10; H01M8/12	ELECTROCHEMICAL CELL STACK ASSEMBLY
US2012068667 A1 20120322	FLUIDIC INC [US]	US201113230549 20110912; US20100383510P 20100916	H02J7/00; H01M8/04; H01M8/06; H01M8/22; H01M8/24	ELECTROCHEMICAL CELL SYSTEM WITH A PROGRESSIVE OXYGEN EVOLVING ELECTRODE / FUEL ELECTRODE
US2012040272 A1 20120216	NISSAN MOTOR [JP]; YOKOHAMA NAT UNIVERSITY; NAT UNIVERSITY CORP	US201113283403 20111027; JP20060291956 20061027; JP20070169028 20070627; US20070976609 20071025	H01M8/10; H01M10/056	ELECTROCHEMICAL CELL USING AN IONIC CONDUCTOR
US2012052404 A1 20120301	FLUIDIC INC [US]	US201113220349 20110829; US20100378021P 20100830	H01M8/06; H01M8/02; H01M8/22	ELECTROCHEMICAL CELL WITH ADDITIVE MODULATOR
EP2417661 A1 20120215	COMMISSARIAT ENERGIE ATOMIQUE [FR]	WO2010EP53750 20100323; FR20090001667 20090406	H01M8/02; C25B11/03; H01M4/86; H01M4/88; H01M8/18	ELECTROCHEMICAL CELL WITH AN ELECTROLYTE FLOW, COMPRISING THROUGH-ELECTRODES AND PRODUCTION METHOD

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US2012015264 A1 20120119	FLUIDIC INC [US]	US201113185658 20110719; US20100365645P 20100719	H01M8/06; B05D1/08; C25D5/00; H01M4/90; H01M4/92	ELECTROCHEMICAL CELL WITH CATCH TRAY
EP2431497 A2 20120321	ANGSTROM POWER INC [CA]	EP20050741066 20050503; US20040567648P 20040504; US20040608879P 20040913; US20050047560 20050202	C25B9/10; B05D5/12; H01B1/12; H01M4/86; H01M8/00; H01M8/02; H01M8/04	Electrochemical cells having current-carrying structures underlying electrochemical reaction layers
US2012077100 A1 20120329	GLOBAL ENERGY SCIENCE LLC [US]	US201113194049 20110729; US20100800658 20100520; US20090220583P 20090626	H01M8/04; H01M4/92; H01M8/06	ELECTROCHEMICAL CELLS UTILIZING TAYLOR VORTEX FLOWS
RU2444095 C1 20120227	UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST VYSOKOTEMPERATURNIJ EHLEKTROKHMII URAL SKOGO OTDEL RAN [RU]	RU20110104526 20110208	H01M8/10	ELECTROCHEMICAL DEVICE

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WO2012067650 A1 20120524	GINER ELECTROCHEMICAL SYSTEMS LLC [US]; MITTELSTADT CORTNEY K [US]	US20100458042P 20101116	H01M4/94; H01M4/96; H01M8/10	ELECTROCHEMICAL DEVICE COMPRISING AN ELECTRICALLY-CONDUCTIVE, SELECT
WO2012034042 A2 20120315	CALIFORNIA INST OF TECHN [US]; ROUMI FARSHID [US]; ROUMI JAMSHID [US]	US201161467112P 20110324; US20100416193P 20101122; US20100381400P 20100909	H01M4/00; H01G9/04; H01M4/36; H01M8/02; H01M10/0566	ELECTROCHEMICAL ENERGY STORAGE SYSTEMS AND METHODS
US2012129021 A1 20120524	PRIMUS POWER CORP [US]	US201213357270 20120124; US20090458853 20090724; US20090523146 20090	H01M2/38	Electrochemical Energy System
EP2442391 A1 20120418	SARNOFF CORP [US]	EP20050761216 20050512; US20040851789 20040521	H01M8/02; B01J8/08; H01M4/86; H01M4/96; H01M8/04; H01M8/06	Electrochemical power source designs and components
WO2012084548 A1 20120628	SIEMENS AG [DE]; MENAPACE WOLFGANG [DE]	DE201010063900 20101222; EP20110152648 20110131	H01M8/18; H01M12/08; H01M16/00	ELECTROCHEMICAL STORAGE DEVICE FOR THE INTERMEDIATE STORAGE OF ELECT
CH704153 A2 20120531	BELENOS CLEAN POWER HOLDING AG [CH]	CH20100001974 20101125	H01M8/04	Electrochemical system for measuring cells of e.g. fuel cells, has b

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US2012052335 A1 20120301	MELOSI MARIO [IT]	US201113231555 20110913; IT2003PV00006 20030624; US20060578548 20061122; WO2004EP51207 20040623	H01M2/00; C25B1/12; C25B9/00; C25B15/00; H01M4/86; H01M8/04; H01M8/18	ELECTROCHEMICAL THERMODYNAMO
CN102335552 A 20120201	National Tsing Hua University	CN20101232080 20100716	B01D53/86; B01D53/56; B01D53/62; B01D53/72; B01D53/92; H01M8/06	Electrochemical-catalytic converter controlling exhaust emission and generating electricity
EP2446954 A1 20120502	NAT TSING HUA UNIVERSTIY [TW]	TW20100137174 20101029	B01D53/32; B01D53/86; B01D53/94; H01M4/90; H01M8/04; H01M8/12	Electrochemical-catalytic converter for exhaust emission control
WO2012030874 A2 20120308	HARVARD COLLEGE [US]; RAMANATHAN SHRIRAM [US]; HARBURG DANIEL V [US]; TSUCHIYA MASARU [US]; JOHNSON ALEXANDER C [US]	US20100420319P 20101206; US20100378900P 20100831	H01M8/10	ELECTROCHEMICALLY FUNCTIONAL MEMBRANES
CN102354760 A 20120215	BeiHang University	CN20111279369 20110920	H01M4/86; H01M8/16	Electrode assembly implanted into human colon to form microbial fuel cell

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WO2012005285 A1 20120112	SUMITOMO CHEMICAL CO [JP]; NEC CORP [JP]; HATTORI TAKESHI [JP]; ITO YUTAKA [JP]; MAKI HAJIME [JP]; IMAI HIDETO [JP]; OTA KENICHIRO [JP]	JP20100154210 20100706	C25B11/06; B01J21/18; H01M4/90; H01M8/10	ELECTRODE CATALYST
CN102368558 A 20120307	SUMITOMO CHEMICAL CO [JP]	JP20070083909 20070328	H01M4/86; H01M4/92; H01M8/10	Electrode catalyst composition, electrode and fuel cell and membrane-electrode assembly each comprising the electrode
KR20120027361 A 20120321	JAPAN SCIENCE & TECH AGENCY [JP]	JP20090139401 20090610	H01M4/90; B01J31/22; B01J31/24; H01M8/10	ELECTRODE CATALYST FOR FUEL CELL AND USE THEREOF
US2012156589 A1 20120621	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100128625 20101215	H01M8/10; B01J31/02	ELECTRODE CATALYST FOR FUEL CELL, MANUFACTURING METHOD THEREOF, AND
JP2012033492 A 20120216	SAMSUNG ELECTRONICS CO LTD; POHANG UNIV OF SCIENCE & TECHNOLOGY ACADEMY INDUSTRY COOPERATION	KR20100074388 20100730	H01M4/90; B01J27/22; B01J35/10; B01J37/08	ELECTRODE CATALYST FOR FUEL CELL, MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL INCLUDING THE ELECTRODE CATALYST, AND METHOD OF PRODUCING ELECTRODE CATALYST FOR FUEL CELL

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US2012107724 A1 20120503	NAGAMI TETSUO [JP]; OHASHI SOZABURO [JP]; KATAOKA MIKIHIRO [JP]	JP20090147429 20090622; WO2010IB01019 20100504	H01M8/10; B05D5/12; H01M4/92	ELECTRODE CATALYST FOR FUEL CELL, METHOD FOR PRODUCING THE SAME, AND
US2012107719 A1 20120503	UNIV SOUTH CHINA TECH [CN]	CN20091041374 20090724; WO2010CN71413 20100330	H01M4/92; B05D3/02; B05D5/12; H01M4/90; H01M8/10	ELECTRODE CATALYST FOR MEMBRANE ELECTRODE OF FUEL CELL AND ITS METHO
JP2012064509 A 20120329	TOPPAN PRINTING CO LTD [JP]	JP20100209380 20100917	H01M4/88; B01J23/42; B01J37/08; B01J37/32; H01M4/86; H01M8/10	ELECTRODE CATALYST LAYER, METHOD OF PRODUCING THE SAME, AND SOLID POLYMER FUEL CELL USING ELECTRODE CATALYST LAYER
JP2012505497 A 20120301		NL20082002071 20081007; WO2009NL50596 20091006	H01M4/86; H01M4/88	ELECTRODE COMPARTMENT FOR AN ELECTROCHEMICAL CELL, A REFRESHING SYSTEM FOR IT AND AN EMULSION TO BE USED THEREFORE
JP2012011337 A 20120119	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100151379 20100701	B01J19/08; H01M8/02; H01M8/12	ELECTRODE CONNECTION STRUCTURE, FUEL CELL, GAS DETOXIFYING APPARATUS, AND METHOD OF MANUFACTURING ELECTRODE CONNECTION STRUCTURE
US2012034493 A1 20120209	MAX PLANCK GESELLSCHAFT [DE]	DE200810047399 20080916; WO2009EP06469 20090907	H01M8/16; H01M2/10; H01M4/64	ELECTRODE DEVICE, GENERATOR DEVICE AND METHOD FOR POWER GENERATION BY MEANS OF MEMBRANE-POTENTIAL SHUNTING

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US2012040271 A1 20120216	HONDA MOTOR CO LTD [JP]; JSR CORP [JP]	US201113205177 20110808; JP20050207418 20050715; US20080995701 20080115; WO2006JP313153 20060630	H01M8/10	ELECTRODE ELECTROLYTE FOR SOLID POLYMER- TYPE FUEL CELL
EP2465159 A2 20120620	MTU ONSITE ENERGY GMBH [DE]	DE200910037425 20090813; DE200910050435 20091022; WO2010EP04868 2010	H01M4/86; H01M4/88; H01M8/14	ELECTRODE FOR A MOLTEN CARBONATE FUEL CELL AND METHOD FOR THE PRODUC
WO2012046566 A1 20120412	NISSAN MOTOR [JP]; HORIBE NORIFUMI	JP20100225105 20101004	H01M4/86; H01M8/10	ELECTRODE FOR FUEL CELL AND MEMBRANE ELECTRODE ASSEMBLY
US2012082918 A1 20120405	PANASONIC CORP [JP]	US201113247672 20110928; JP20090109181 20090428; US20100771468 20100430; WO2009JP05026 20090930	H01M8/10	ELECTRODE FOR FUEL CELLS AND METHOD FOR MANUFACTURING THE SAME, AND FUEL CELL USING THE SAME
WO2012066806 A1 20120524	JAPAN SCIENCE & TECH AGENCY [JP]; HASHIMOTO KAZUHITO [JP]; WATANABE	JP20100257390 20101118	H01M4/96; H01M8/02; H01M8/16	ELECTRODE FOR MICROBIAL FUEL CELLS AND MICROBIAL FUEL CELL USING SAM

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WO2012067338 A2 20120524	WY SOON MYUNG [KR]; TAKAMURA TAKSTSUGU [JP]	KR20100113327 20101115; KR20100113328 20101115; KR20100116569 201011	H01M8/18; F03B13/00; G01N27/333; H01M8/02; H01M8/04	ELECTRODE FOR REDOX FLOW BATTERY, FABRICATION METHOD THEREOF
JP2012054137 A 20120315	UNIV KYUSHU NAT UNIV CORP [JP]; KANSAI ELECTRIC POWER CO [JP]; MITSUBISHI MATERIALS CORP [JP]	JP20100196550 20100902	H01M4/86; H01M8/02; H01M8/12	ELECTRODE FOR SOLID OXIDE FUEL CELL, SOLID OXIDE FUEL CELL, MANUFACTURING METHOD OF ELECTRODE FOR SOLID OXIDE FUEL CELL, AND MANUFACTURING METHOD OF SOLID OXIDE FUEL CELL
WO2012014768 A1 20120202	NISSHINBO HOLDINGS INC [JP]; UNIV GUNMA NAT UNIV CORP [JP]; SASAKI NAOKAZU [JP]; MATSUBAYASHI KATSUYUKI [JP]; IIDA KYOSUKE [JP]; IMASHIRO YASUO [JP]; OZAKI JUN- ICHI [JP]	JP20100170291 20100729	H01M4/96; H01M4/90; H01M8/02; H01M8/10	ELECTRODE FOR USE IN A FUEL CELL
JP2012046385 A 20120308	MITSUBISHI CHEMICAL HOLDINGS CORP; UNIV TOKYO	JP20100190912 20100827	C01B3/04; H01L31/04	ELECTRODE FOR WATER DECOMPOSITION BY LIGHT, METHOD FOR PRODUCING THE SAME AND METHOD FOR DECOMPOSING WATER

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CN202268450U U 20120606	Zhuhai Liyuan New Energy Technology Co., Ltd.	CN20112369361U 20110930	H01M8/02	Electrode frame of flow battery
JP2012512520 A 20120531		US20080203085P 20081217; WO2009US68087 20091215	H01M8/02; H01M8/12	Electrode Gas Channel Supports and Methods for Forming Internal Channels
WO2012026493 A1 20120301	AISIN SEIKI [JP]; RIKEN [JP]; SHIGEMORI YASUSHI [JP]; NAKAOKI YUICHIRO [JP]; MIKAWA TSUTOMU [JP]	JP20100189788 20100826	C12N11/14; G01N27/327; H01M4/90; H01M8/16	ELECTRODE HAVING ENZYME CRYSTALS IMMOBILIZED THEREON, PROCESS FOR PRODUCTION OF ELECTRODE HAVING ENZYME CRYSTALS IMMOBILIZED THEREON, AND BIOLOGICAL FUEL CELL AND BIOSENSOR EACH EQUIPPED WITH ELECTRODE HAVING ENZYME CRYSTALS IMMOBILIZED THEREON
WO2012053561 A1 20120426	ASAHI GLASS CO LTD [JP]; YOSHITAKE MASARU [JP]; KIHARA NAOTO [JP]; TAKENAKA ATSUYOSHI [JP]; AMINO YOSUKE [JP]; SERA YOICHI [JP]; SAIJO YOSHITAKA [JP]; KAWAMOTO MASAKO [JP]	JP20100234294 20101019	H01M4/96; B01J23/42; B82Y30/00; H01M4/88; H01M8/10; H01M12/06	ELECTRODE MATERIAL AND METHOD FOR PRODUCING SAME
EP2410598 A1 20120125	NGK INSULATORS LTD [JP]	JP20100164012 20100721; JP20110114050 20110520	H01M8/02; H01M8/12	Electrode Material and Solid Oxide Fuel Cell Containing the Electrode Material

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
US2012021334 A1 20120126	NGK INSULATORS LTD [JP]	JP20100164011 20100721; JP20110114049 20110520	H01M8/10; H01M4/48; H01M4/90	ELECTRODE MATERIAL AND SOLID OXIDE FUEL CELL CONTAINING THE ELECTRODE MATERIAL
JP2012043801 A 20120301	NGK INSULATORS LTD [JP]	JP20100164011 20100721; JP20110198497 20110912	H01M4/86; H01M8/02; H01M8/12	ELECTRODE MATERIAL AND SOLID OXIDE FUEL CELL INCLUDING THE SAME
US2012141906 A1 20120607	SAMSUNG ELECTRO MECH [KR]	KR20100121651 20101201	H01M8/10; B05D5/12; H01M4/86	ELECTRODE MATERIAL FOR FUEL CELL, FUEL CELL COMPRISING THE SAME AND
JP2012015041 A 20120119	PANASONIC CORP [JP]	JP20100152771 20100705	H01M8/02; H01M8/10	ELECTRODE-FILM-FRAME ASSEMBLY, MANUFACTURING METHOD THEREOF, AND FUEL CELL
JP2012018793 A 20120126	PANASONIC CORP [JP]	JP20100154679 20100707	H01M8/02; H01M4/86; H01M8/10	ELECTRODE-MEMBRANE-FRAME ASSEMBLY AND POLYMER ELECTROLYTE FUEL CELL
CN102365778 A 20120229	PANASONIC CORP [JP]	WO2010JP07548 20101227; JP20100000552 20100105	H01M8/02; H01M8/10	Electrode-membrane-frame assembly, method for producing same, and fuel cell
US2012009504 A1 20120112	HARVARD COLLEGE [US]	US201013145342 20100120; US20090145885P 20090120; WO2010US21543 20100120	H01M4/86; B05D5/12; H01M8/02	ELECTRODES FOR FUEL CELLS

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JP2012507828 A 20120329		US20080198027P 20081030; US20090182727P 20090531; WO2009IL01017 20091101	H01M8/24; C02F1/461; H01M4/86; H01M8/04; H01M8/16	ELECTRODES FOR USE IN BACTERIAL FUEL CELLS AND BACTERIAL ELECTROLYSIS CELLS AND BACTERIAL FUEL CELLS AND BACTERIAL ELECTROLYSIS CELLS EMPLOYING SUCH ELECTRODES
WO2012061215 A1 20120510	SIEMENS PTE LTD [SG]; FU RONGQIANG [SG]; NG KEE HOE [SG]	US20100409778P 20101103	H01M8/18; H01M8/04	ELECTRODIALYSIS SYSTEMS AND METHODS FOR ENERGY GENERATION AND WASTE
CZ23716U U1 20120509	SLEZSKA MECHATRONIKA A S [CZ]; HALADOVA PETRA [CZ]	CZ20110023863U 20110128	H01M8/08; B82B1/00; H01M4/02; H01M4/86	Electrolysis apparatus fitted with nanoelectrodes with cathode area
AU2010281350 A1 20120119	CRAFT HOLDINGS WA PTY LTD [AU]	AU20090903600 20090803; WO2010AU00977 20100803; AU20100281350 20100803	C25B1/04; C25B1/02; F01D1/00; F01D7/02; F01D15/10; F01D17/06; F01D25/30; H01M8/08; H01M8/22; H02K7/18	Electrolysis cell and electrical power unit incorporating same
JP2012033367 A 20120216	TOYOTA CENTRAL RES & DEV [JP]; DAIHATSU MOTOR CO LTD [JP]	JP20100171464 20100730	H01M8/02; C08J5/20; H01B1/06; H01M8/10	ELECTROLYTE

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JP2012038515 A 20120223	TOYOTA CENTRAL RES & DEV [JP]; TOYOTA MOTOR CORP [JP]	JP20100176492 20100805	H01B1/06; C08G75/30; H01B13/00; H01M4/86; H01M8/02	ELECTROLYTE AND METHOD FOR PRODUCING THE SAME, FLUORINE-CONTAINING CYCLIC COMPOUND, FLUORINE-CONTAINING SULFONIMIDE COMPOUND, FLUORINE-CONTAINING CYCLIC COMPOUND PRECURSOR AND METHOD FOR PRODUCING THE SAME, AND FUEL CELL
JP2012043675 A 20120301	TOYOTA MOTOR CORP [JP]; UNIV KYOTO	JP20100184740 20100820	H01M8/02	ELECTROLYTE COMPOSITE LAYER FOR FUEL CELL, FUEL CELL, AND METHOD FOR MANUFACTURING ELECTROLYTE COMPOSITE LAYER FOR FUEL CELL
EP2436080 A2 20120404	DEEYA ENERGY INC [US]	WO2010US36765 20100528; US20090182075P 20090528	H01M8/18; H01M8/02	ELECTROLYTE COMPOSITIONS
CN102453262 A 20120516	China National Offshore Oil Corporation;CNOOC New Energy Investment Co., Ltd.;Shanghai Jiao Tong University	CN20101523310 20101022	C08J7/00; C08L27/18; H01M2/16; H01M8/02	Electrolyte diaphragm for vanadium cell and preparation method thereof
CN102498168 A 20120613	ASAHI KASEI E MATERIALS CORP [JP];DAIKIN IND LTD [JP]	WO2010JP66227 20100917; JP20090217693 20090918	C08F16/24; C08F8/00; C08J5/22; C08J7/04; C08L27/12; C08L29/10; H01B1/06; H01B13/00; H01M4/86; H01M8/02	Electrolyte emulsion and process for producing same

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JP4857560B2 B2 20120118		JP20020285834 20020930; WO2003JP12512 20030930; JP20040539588 20030930	H01M8/02; H01B1/06; H01B1/12; H01B13/00; H01M8/10	ELECTROLYTE FILM, PROCESS FOR PRODUCING THE SAME, AND SOLID POLYMER TYPE FUEL CELL
US2012052340 A1 20120301	PRIMUS POWER CORP [US]	US201113169487 20110627	H01M10/44; H01M2/38; H01M8/18	Electrolyte Flow Configuration for a Metal-Halogen Flow Battery
CN102306820 A 20120104	Central South University	CN20111225781 20110808	H01M8/18	Electrolyte for vanadium battery and preparation method of electrolyte
JP2012069380 A 20120405	NAT INST FOR MATERIALS SCIENCE [JP]	JP20100213251 20100924	H01M8/02; C01G25/00; C04B35/48; H01B1/06; H01B13/00; H01M8/12	ELECTROLYTE MATERIAL FOR SOLID FUEL CELL AND MANUFACTURING METHOD THEREOF
JP2012109259 A 20120607	ASAHI GLASS CO LTD [JP]	JP20040109869 20040402; JP20040311191 20041026; JP20040319086 200411	H01M8/02; C07D317/42; C08F24/00; C08F34/02; C08F214/18; H01B1/06	ELECTROLYTE MATERIAL FOR SOLID POLYMER FUEL CELL, ELECTROLYTE MEMBRANE AND MEMBRANE ELECTRODE ASSEMBLY
JP2012028311 A 20120209	NIPPON SYNTHETIC CHEM IND	JP20100141424 20100622; JP20110106103 20110511	H01M10/0568; C01B25/08; H01M10/052; H01M10/0567	ELECTROLYTE MATERIAL, ELECTROLYTE FOR LITHIUM SECONDARY BATTERY, LITHIUM SECONDARY BATTERY USING THE SAME, AND NOVEL LITHIUM SALT
EP2436705 A1 20120404	ASAHI GLASS CO LTD [JP]	WO2010JP58934 20100526; JP20090130361 20090529	C08F224/00; C08F8/44; H01B1/06; H01M4/86; H01M8/02;	ELECTROLYTE MATERIAL, LIQUID COMPOSITE, AND MEMBRANE ELECTRODE ASSEM

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			H01M8/10	
CN102473473 A 20120523	ASAHI GLASS CO LTD [JP]	WO2010JP62380 20100722; JP20090179065 20090731	H01B1/06; C08F16/38; C25B13/04; H01M4/86; H01M8/10	Electrolyte material, liquid composition, and membrane electrode assembly for solid polymer fuel cells
CN102471412 A 20120523	ASAHI GLASS CO LTD [JP]	WO2010JP62381 20100722; JP20090179066 20090731	C08F214/18; C25B9/10; H01B1/06; H01M4/86; H01M8/10	Electrolyte material, liquid composition, and membrane-electrode assembly for polymer electrolyte fuel cell
JP2012099304 A 20120524	FUJI ELECTRIC CO LTD	JP20100245136 20101101	H01M8/02; C08J9/04; H01B1/06; H01M8/10	ELECTROLYTE MEMBRANE AND FUEL CELL USING THE SAME
CN102318011 A 20120111	KURARAY CO [JP]	WO2010JP52035 20100212; JP20090034140 20090217	H01B1/06; C08J5/22; H01M8/02; H01M8/10	Electrolyte membrane and membrane-electrode assembly
JP2012004048 A 20120105	ASAHI KASEI E MATERIALS CORP [JP]; DAIKIN IND LTD [JP]	JP20100139852 20100618	H01M8/02; B01J23/42; C08F214/22; H01B1/06; H01B13/00; H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M8/10	ELECTROLYTE MEMBRANE AND METHOD FOR MANUFACTURING THE SAME, ELECTRODE CATALYST LAYER AND METHOD FOR MANUFACTURING THE SAME, MEMBRANE ELECTRODE ASSEMBLY, AND SOLID POLYMER ELECTROLYTE FUEL CELL

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JP2012089526 A 20120510	SAMSUNG ELECTRONICS CO LTD [KR]	KR20070111588 20071102	H01M8/02; H01B1/06; H01M8/10	ELECTROLYTE MEMBRANE FOR FUEL CELL
JP2012104294 A 20120531	KURIEITEITSUKU JAPAN KK	JP20100250293 20101108	H01M8/02; H01B1/06; H01M8/10	ELECTROLYTE MEMBRANE FOR FUEL CELL AND MEMBRANE ELECTRODE ASSEMBLY U
JP2012049116 A 20120308	DAINIPPON PRINTING CO LTD [JP]	JP20100166960 20100726; JP20110160784 20110722	H01M8/02; H01B1/06; H01M8/10	ELECTROLYTE MEMBRANE FOR FUEL CELL, MANUFACTURING METHOD THEREFOR, CATALYST- LAYER/ELECTROLYTE-MEMBRANE LAMINATE FOR FUEL CELL, MEMBRANE/ELECTRODE ASSEMBLY FOR FUEL CELL, AND FUEL CELL
JP4886675B2 B2 20120229		JP20050077390 20050317; WO2006JP305748 20060316; JP20070508253 20060316	H01M8/02; C08G73/06; H01B1/06; H01M8/10	ELECTROLYTE MEMBRANE
WO2012061965 A1 20120518	NINGBO INST MAT TECH & ENG CAS [CN]; WANG WEIGUO [CN]; WANG JIANXIN	CN	H01M8/02; H01M2/14; H01M8/10	ELECTROLYTE MEMBRANE, ELECTROCHEMICAL DEVICE AND SOLID OXIDE FUEL CE
JP4871591B2 B2 20120208		JP20030133991 20030513; WO2004JP06689 20040512; JP20050506220 20040512	C08F216/14; C08J5/22; H01B1/06; H01B1/12; H01B13/00; H01M4/86; H01M8/02; H01M8/10	ELECTROLYTE POLYMER FOR SOLID POLYMER FUEL CELL, METHOD FOR PRODUCING SAME, AND MEMBRANE ELECTRODE ASSEMBLY

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JP2012502441 A 20120126		FR20080056120 20080911; WO2009FR51617 20090824	H01M8/02; C01G25/00; C23C16/30; C23C16/40; C23C16/56; H01B13/00; H01M8/12	ELECTROLYTE POUR PILE SOFC ET SON PROCEDE DE FABRICATION.
US2012021304 A1 20120126	NIPPON CATALYTIC CHEM IND [JP]	JP20090075183 20090325; WO2010JP55285 20100325	H01M8/10; B29C59/02; H01M8/00	ELECTROLYTE SHEET FOR SOLID OXIDE FUEL CELL, METHOD FOR PRODUCING THE SAME, AND CELL FOR SOLID OXIDE FUEL CELL
US2012028162 A1 20120202	BLOOM ENERGY CORP [US]	US201113268233 20111007; US20080292151 20081112; US20080129882P 20080725; US20080129759P 20080717; US20070996352P 20071113	H01M8/10; B05D5/12	Electrolyte Supported Cell Designed for Longer Life and Higher Power
CN102427143 A 20120425	DEBI ZHOU	CN20111355002 20111111	H01M8/18	Electrolyte using aminosulfonic acid as solvent and redox cell using the same
JP2012507129 A 20120322		FR20080057407 20081030; WO2009EP64194 20091028	H01M8/02; H01M8/12; H01M8/24	ELECTROLYTE WITH REDUCED RIGIDITY, AND ELECTROCHEMICAL SYSTEM INCLUDING SUCH AN ELECTROLYTE
US2012028168 A1 20120202	TOYOTA CHUO KENKYUSHO KK [JP]	JP20100171465 20100730	H01M8/08; H01M6/04; H01M10/02	ELECTROLYTE, AND FUEL CELL, LI SECONDARY BATTERY, SECONDARY BATTERY AND PRIMARY BATTERY USING THE ELECTROLYTE

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JP2012104408 A 20120531	HONDA MOTOR CO LTD [JP]	JP20100252780 20101111	H01M4/86; H01M4/88; H01M8/02; H01M8/12	ELECTROLYTE-ELECTRODE ASSEMBLY, AND METHOD FOR MANUFACTURING THE SAM
JP2012104407 A 20120531	HONDA MOTOR CO LTD [JP]	JP20100252778 20101111	H01M4/88; H01M4/86; H01M8/02; H01M8/12	ELECTROLYTE-ELECTRODE ASSEMBLY, AND METHOD FOR MANUFACTURING THE SAM
CZ23808U U1 20120530	SLEZSKA MECHATRONIKA A S [CZ]; HALADOVA PETRA [CZ]	CZ20110023861U 20110128	H01M8/08; B82B1/00; H01M4/02; H01M4/86	Electrolytic cell provided with nano electrodes coated with a layer
US2012073982 A1 20120329	LAMBIE JOHN M [US]	US20100889198 20100923	C02F1/461; C25B1/04; C25B9/00; H01M8/06	ELECTROLYTIC CONVERSION OF WASTE WATER TO POTABLE WATER
KR20120043835 A 20120507	DAEHAN CHUNGCHUN IND CO LTD [KR]	KR20100105073 20101027	H01M8/04; F16K31/02	ELECTROMAGNETIC CONTROL VALVE FOR FUEL CELL UNIT AND METHOD FOR THER
JP2012002252 A 20120105	KAWASAKI HEAVY IND LTD [JP]	JP20100135854 20100615	F16K31/06	ELECTROMAGNETIC ON-OFF VALVE
JP2012010588 A 20120112	TOSHIBA CORP [JP]	JP20110168319 20110801	H02J7/00; H01M8/00; H01M8/04; H01M10/44; H02J17/00	ELECTRONIC APPARATUS AND STORAGE CASE
AT539459T T 20120115	ELECTRO POWER SYSTEMS S P A [IT]	EP20090152671 20090212	H01M8/04; H01M8/24	ELEKTRISCHER BRENNSTOFFZELLEN- ERSATZGENERATOR MIT EINEM KOMPAKTEN VERTEILERKÖRPER

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DE112010000826T T5 20120628	TOSHIBA KK [JP]	JP20090032494 20090216; JP20090051558 20090305; JP20100026457 201002	H01M8/12; C04B37/00; C09J11/04; C09J161/06; C09J163/00; C09J201/00	Elektrisches Stromspeichersystem unter Verwendung von Wasserstoff un
AT557434T T 20120515	LG CHEMICAL LTD [KR]	KR20040021176 20040329; KR20040031683 20040506; WO2005KR00911 200503	H01M2/14; H01M2/16; H01M6/46; H01M8/02; H01M10/04; H01M10/05	ELEKTROCHEMISCHE ZELLE MIT ZWEI ARTEN VON SEPARATOREN
AT545963T T 20120315	PROTONEX TECHNOLOGY CORP [US]	US20020374631P 20020423; WO2003US12684 20030423	H01M2/00; H01M2/08; H01M2/14; H01M8/02; H01M8/04; H01M8/10; H01M8/24	ELEKTROCHEMISCHE ZELLENSTAPEL AUF MEMBRANBASIS
AT550087T T 20120415	EDWARDS LTD [GB]	GB20050020472 20051007; WO2006GB03076 20060817	B01D53/26; B01D53/32; H01M8/04; H01M8/12	ELEKTROCHEMISCHER REAKTOR MIT SAUERSTOFFIONENPUMPE ZUR NACHBEHANDLUNG VON RÜCKSTÄNDEN BRENNBARER GASE
AT555508T T 20120515	TOYOTA MOTOR CO LTD [JP]	JP20070133002 20070518; WO2008IB01211 20080515	H01M4/86; B01J23/74; B01J23/75; H01M4/90; H01M8/08	ELEKTRODENKATALYSATOR FÜR ALKALISCHE BRENNSTOFFZELLE, ALKALISCHE BRE
AT539460T T 20120115	VERSA POWER SYSTEMS LTD [CA]	US20000229322P 20000901; WO2001CA01235 20010830	H01M4/86; H01M8/12; H01M4/88; H01M8/02	ELEKTRODENMUSTER FÜR FESTOXIDBRENNSTOFFZELLEN

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AT552363T T 20120415	ROLLS ROYCE FUEL CELL SYSTEMS LTD [GB]	GB20050021984 20051028; WO2006GB03614 20060929	C25B15/08; C25B1/04; C25B9/06; H01M8/18	ELEKTROLYSE
AT552619T T 20120415	KURARAY CO [JP]	JP20060018040 20060126; WO2007JP50732 20070118	H01M8/02; H01M8/10	ELEKTROLYT-MEHRSCICHTMEMBRAN FÜR EINE FESTPOLYMER-BRENNSTOFFZELLE, MEMBRANELEKTRODENBAUGRUPPE UND BRENNSTOFFZELLE
KR101124984B B1 20120327	HYUNDAI MOTOR CO LTD [KR]	KR20100113045 20101112	B60L3/04; B60L11/18; H01M8/04	EMERGENCY OPERATING METHOD OF FUEL CELL VEHICLE
TW201217927 A 20120501	UNIV YUAN ZE [TW]	TW20100136425 20101026	G05D23/19; H01M8/00	employing internal temperature for cell management and capable of ab
KR20120053434 A 20120525	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100114708 20101117	H01M8/04; C09K3/10; H01M8/10	ENCLOSURE ASSEMBLY FOR FUEL CELL STACK
FR2964664 A1 20120316	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20100057247 20100913	C09D11/00; H01M4/86; H01M8/02; H01M8/10	ENCRE AQUEUSE POUR LA REALISATION D'ELECTRODES DE CELLULE ELECTROCHIMIQUE HAUTE TEMPERATURE
CN102306821 A 20120104	Tsinghua University; Chengde Wanlitong Industrial Group Co., Ltd.	CN20111191862 20110708	H01M8/24; H01M8/18	End plate pressing component of redox flow cell galvanic pile
DE102010055403 A1 20120621	HAGER UWE [DE]	DE201010055403 20101221	H01M8/06	Energieumwandlungs- und Zwischenspeicheranordnung sowie Energieumwan

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TWM424627U U 20120311	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]; WUHAN HAIXINNENG ELECTRIC LTD COMPANY [CN]	CN20112378393U 20110929	H01M8/00	Energy adjuster
WO2012008392 A1 20120119	TOYOTA MOTOR CO LTD [JP]; MISAWA HOMES CO [JP]; OZAKI DAIJIRO [JP]	JP20100160175 20100715	H02J13/00; H01M10/44; H01M10/48; H02J3/00; H02J3/32; H02J7/00; H02J7/35	ENERGY MANAGEMENT SYSTEM FOR HOUSES
JP2012068791 A 20120405	YAZAKI CORP [JP]	JP20100211828 20100922	G06Q10/00; H01M8/00	ENERGY REDUCTION AMOUNT DISPLAY SYSTEM
WO2012037571 A2 20120322	ROBERTSON JOHN S [US]	US20100384214P 20100917	H01M8/22; G06Q10/04	ENERGY STORAGE AND CONVERSION SYSTEMS
WO2012010343 A1 20120126	SIEMENS AG [DE]; ISE MARTIN [DE]; LANDES HARALD [DE]	DE201010027690 20100720	C25B1/04; C01B3/06; H01M8/06; H01M8/18	ENERGY STORAGE DEVICE AND METHOD FOR THE REVERSIBLE STORAGE OF ENERGY
EP2413060 A1 20120201	PANASONIC CORP [JP]	WO2010JP01481 20100304; JP20090069468 20090323; JP20100041762 20100226	F24H1/00; H01M8/00; H01M8/04	ENERGY SUPPLY SYSTEM

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EP2413059 A1 20120201	PANASONIC CORP [JP]	WO2010JP01482 20100304; JP20090069469 20090323; JP20100041763 20100226	F24H1/00; H01M8/00; H01M8/04	ENERGY SUPPLY SYSTEM
EP2406483 A1 20120118	PRINZ GERHARD [DE]	WO2010EP52816 20100305; DE200910011778 20090309	F02G5/04; F01K3/12; H01M8/04; H02J3/38	ENERGY SUPPLY SYSTEM
CN102354764 A 20120215	DONGFANG ELECTRIC CORP	CN20111248238 20110824	H01M8/24; H01M8/04	Energy supply system and control method thereof
DK1383195T T3 20120521	TOHO GAS KK [JP]	JP20020210856 20020719	H01M4/86; H01M8/12; H01M8/02	Enkelt celle til en fastoxid-brændselscelle
AT544514T T 20120215	HONDA MOTOR CO LTD [JP]	JP20080229678 20080908; WO2009JP64476 20090812	B01J8/04; B01D53/04; C01B3/56; C10L3/10; H01M8/06	ENTSCHWEFELUNGSVORRICHTUNG
BRPI0713303 A2 20120417	ANGSTROM POWER INC [US]	US20060473591 20060623; WO2007CA01129 20070622	H01M8/02; C01B6/00; F17C1/00	envoltório para fluidos e métodos relacionados ao mesmo
JP2012047452 A 20120308	FUNAI EAA TECH RES INST INC; NAT INST OF ADV IND & TECHNOL; FUNAI ELECTRIC CO	JP20100186729 20100824	G01N27/327; C12Q1/00; H01M4/86; H01M4/90	ENZYME ELECTRODE

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JP2012028181 A 20120209	TOYOTA MOTOR CO LTD [JP]	JP20100165970 20100723	H01M4/86; G01N27/30; G01N27/327; H01M4/90; H01M8/16	ENZYME ELECTRODE AND FUEL CELL HAVING THE SAME
WO2012056316 A1 20120503	TOYOTA MOTOR CO LTD [JP]; KAWAGUCHI TOSHIYA [JP]; SHIMAZAKI TSURUYO	JP20100243694 20101029	H01M8/16	ENZYME FUEL CELL
AT542256T T 20120215	HONDA MOTOR CO LTD [JP]	JP20090013169 20090123	H01M8/04; G01R31/36	ERKENNUNGSSYSTEM FÜR DIE ZELLSPANNUNG UND VERFAHREN ZUR AUFRECHTERHALTUNG DER ANTRIEBSSPANNUNG
ES2383049T T3 20120615	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20080056890 20081010	B29C59/02	Estructuración superficial de capas delgadas por proyección localiza
EP2455334 A1 20120523	TECN REUNIDAS S A [ES]	EP20100382304 20101118	C01B3/32; B01J19/00; C01B3/48; C01B3/58; H01M8/06	Ethanol processing system
CN102496731 A 20120613	Wuhan University of Technology	CN20111421874 20111215	H01M8/04; H04L29/08	Ethernet-based fuel cell remote monitoring system and real-time monitoring method
WO2012047184 A1 20120412	UTC POWER CORP [US]; DARLING ROBERT MASON [US]; SKIBA TOMMY [US]	US	H01M8/04; F25D17/00; H01M8/10	EVAPORATIVELY COOLED FUEL CELLS WITH WATER PASSAGEWAYS ENHANCED BY WICKS

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JP4917048B2 B2 20120418		JP20060217882 20060810; WO2007JP65399 20070807; JP20070551500 20070807	F28F13/02; F24J2/04; F24J2/32; F28D15/02; H01M8/04; H01M8/10	EVAPORATOR
JP2012063045 A 20120329	OSAKA GAS CO LTD	JP20100205397 20100914	F24H1/00; H01M8/00; H01M8/04	EXHAUST HEAT RECOVERY SYSTEM
JP2012063044 A 20120329	OSAKA GAS CO LTD	JP20100205396 20100914	F24H1/00; F24H1/18; H01M8/00; H01M8/04	EXHAUST HEAT RECOVERY SYSTEM
JP2012089514 A 20120510	KYOCERA CORP [JP]	JP20110279237 20111221	H01M8/04; H01M8/12	EXHAUST HEAT RECOVERY SYSTEM IN SOLID OXIDE FUEL CELL
WO2012064768 A2 20120518	YAN YUSHAN [US]; ALIA SHAUN [US]	US20100411069P 20101108; US20100411074P 20101108; US20100411077P 201	H01M8/02	EXTENDED TWO DIMENSIONAL METAL NANOTUBES AND NANOWIRES USEFUL AS FUE
US2012100459 A1 20120426	GARLOCK SEALING TECHNOLOGIES [US]	US201113252788 20111004; US20100405038P 20101020	H01M8/10	EXTREME TEMPERATURE GASKET AND METHOD OF MAKING THE SAME
US2012021340 A1 20120126	UNIV CHUNG YAN CHRISTIAN [TW]	TW20100124170 20100722	H01M8/00; B32B38/16	FABRICATION METHOD FOR ENHANCING THE ELECTRICAL CONDUCTIVITY OF BIPOLAR PLATES

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DK2244327T T3 20120507	TOKYO GAS CO LTD [JP]	JP20020028847 20020205; JP20020069314 20020205; EP20030737494 200302	H01M8/24; C01B3/34; H01M8/02; H01M8/04; H01M8/06; H01M8/12	Fastoxidbrändselscellesystem
WO2012046879 A1 20120412	JFE STEEL CORP [JP]; ISHII TOMOHIRO [JP]; ISHIKAWA SHIN [JP]; UJIRO TAKUMI [JP]	JP20110219755 20111004; JP20100228344 20101008	C22C38/00; C22C38/22; C22C38/54; C23C22/34; H01M8/02; H01M8/10	FERRITIC STAINLESS STEEL HAVING EXCELLENT CORROSION RESISTANCE AND ELECTRICAL CONDUCTIVITY, METHOD FOR PRODUCING SAME, SOLID POLYMER FUEL CELL SEPARATOR, AND SOLID POLYMER FUEL CELL
CN102517510 A 20120627	ATI Properties Inc.	US20050690671P 20050615; US20050168021 20050628; US20050169105 20050	C22C38/38; C22C38/18; C22C38/22; C22C38/26; C22C38/28; C22C38/44	Ferritic stainless steels and interconnects with ferritic stainless steels
AT542258T T 20120215	IKERLAN S COOP [ES]	ES20080003627 20081219	H01M8/12; H01M8/24	FESTOXIDBRENNSTOFFZELLE MIT METALLHALTER
AT542255T T 20120215	mitsubishi materials corp [JP]; KANSAI ELECTRIC POWER CO [JP]	JP20050045252 20050222; JP20050115828 20050413; JP20050319628 20051102; JP20060043355 20060221; WO2006JP03026 20060221	H01M8/04; H01M8/06	FESTOXID-BRENNSTOFFZELLE UND BETRIEBSVERFAHREN DAFÜR

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AT540443T T 20120115	CORNING INC [US]	US20080130531P 20080530; WO2009US03118 20090520	H01M8/02; H01M8/04; H01M8/12; H01M8/24	FESTOXIDBRENNSTOFFZELLENSYSTEME MIT WÄRMETAUSCHERN
AT552622T T 20120415	TOTO LTD [JP]	JP20090129165 20090528	H01M8/04; H01M8/06; H01M8/12	FESTOXID-BRENNSTOFFZELLENVORRICHTUNG
AT544189T T 20120215	GORE ENTERPRISE HOLDINGS INC [US]	US20050235478 20050926; WO2006US36213 20060915	H01M4/88; H01M4/92; H01M8/10	FESTPOLYMERELEKTROLYT UND HERSTELLUNGSVERFAHREN DAFÜR
KR20120002143 A 20120105	SAMSUNG SDI CO LTD [KR]	KR20100062881 20100630	H01M8/04; G01F23/26	FEUL CARTRIDGE FOR FUEL CELL
WO2012047319 A1 20120412	BATTELLE MEMORIAL INSTITUTE [US]; LI LIYU [US]; KIM SOOWHAN [US]; YANG ZHENGUO [US]; WANG WEI [US]; ZHANG JIANLU [US]; CHEN BAOWEI [US]; NIE ZIMIN [US]; XIA GUANGUANG [US]	US20100892698 20100928	H01M8/18; H01M8/02	FE-V REDOX FLOW BATTERIES
EP2442395 A1 20120418	SIEMENS AG [DE]	EP20100187309 20101012	H01M8/18; G05B19/042; G05B19/05	Field device for process instrumentation
JP2012054148 A 20120315	HONDA MOTOR CO LTD [JP]	JP20100196770 20100902	H01M8/04; B60L11/18; H01M8/00	FILM BREAKAGE DETECTING METHOD FOR FUEL BATTERY

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JP2012009196 A 20120112	TOYOTA MOTOR CO LTD [JP]	JP20100142482 20100623	H01M8/02; H01M4/86; H01M8/10	FILM ELECTRODE DIFFUSION LAYER JUNCTION AND METHOD FOR MANUFACTURING THE SAME
JP2012055789 A 20120322	PANASONIC CORP [JP]	JP20100198466 20100906	B01D46/00; H01M8/04	FILTER DEVICE
GB2484070 A 20120404	ACAL ENERGY LTD [GB]	GB20100016005 20100923	B01F3/04; B01F5/06; C02F3/20; H01M8/18; H01M8/20	Fine bubble generation device
JP2012041581 A 20120301	SONY CORP [JP]	JP20100182053 20100817	B22F1/02; B01J23/46; B01J35/02; B22F1/00; H01M4/92	FINE PARTICLE OF CORE-SHELL STRUCTURE AND FUNCTIONAL DEVICE INCORPORATED THEREWITH
EP2444766 A1 20120425	NGK INSULATORS LTD [JP]	EP20040728256 20040419; JP20030197289 20030715; JP20030325402 20030918; JP20030339999 20030930; JP20040020397 20040128	F27D17/00; C01B3/38; F27B17/00; H01M8/06	Firing furnace and method for firing
JP2012086215 A 20120510	CENTRAL RES INST ELECT	JP20110250162 20111115	B01D53/14; B01D53/18; B01J8/02; B01J8/04; C10K1/22; C10K1/32; H01M8/06; H01M8/12;	FIXED-BED REACTION VESSEL AND METHOD FOR SUPPLYING ABSORBENT

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			H01M8/14	
KR20120053366 A 20120525	KOREA ENERGY RESEARCH INST [KR]	KR20100114606 20101117	H01M8/06; H01M8/12	FLAMELESS STEAM REFORMER
CN102364739 A 20120229	Shanghai Redox Machinery & Electrics Co., Ltd.;Takamura Koji	CN20111346613 20111104	H01M8/04; H01M8/20	Flat plate type redox flow battery
JP2012124019 A 20120628	HONDA MOTOR CO LTD [JP]	JP20100273627 20101208	H01M8/02; H01M8/12	FLAT PLATE TYPE SOLID ELECTROLYTE FUEL BATTERY
JP2012014916 A 20120119	NIPPON TELEGRAPH & TELEPHONE	JP20100149261 20100630	H01M8/24; H01M8/12	FLAT PLATE TYPE SOLID OXIDE FUEL CELL MODULE
JP2012014917 A 20120119	NIPPON TELEGRAPH & TELEPHONE	JP20100149273 20100630	H01M8/24; H01M8/12	FLAT PLATE TYPE SOLID OXIDE FUEL CELL MULTI- STACK MODULE
WO2012081936 A2 20120621	KOREA ENERGY RESEARCH INST [KR]; YU JI-HAENG [KR]; LEE HEE- LAK [KR]	KR20100129331 20101216	H01M8/12; H01M8/02	FLAT TUBULAR OR PLATE TYPE SOLID OXIDE FUEL CELL

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WO2012015113 A1 20120202	KOREA ENERGY RESEARCH INST [KR]; KIM SUN-DONG [KR]; YU JI-HAENG [KR]; HAN IN-SUB [KR]; SEO DOO-WON [KR]; HONG KEE-SEOG [KR]; KIM SE-YOUNG [KR]; WOO SANG-KUK [KR]	KR20100074311 20100730; KR20100074309 20100730	H01M8/12; H01M8/24	FLAT TUBULAR SOLID OXIDE CELL STACK
JP2012124018 A 20120628	HONDA MOTOR CO LTD [JP]	JP20100273626 20101208	H01M8/02; H01M8/12	FLAT-PLATE SOLID ELECTROLYTE FUEL CELL
KR20120012262 A 20120209	KOREA ENERGY RESEARCH INST [KR]	KR20100074309 20100730	H01M8/12; H01B1/06; H01M8/02; H01M8/24	flat-tubular solid oxide cell stack
JP4873780B2 B2 20120208		US19980076333P 19980227; WO1999US02749 19990209	H01M8/02; H01M8/00; H01M8/12; H01M8/24	FLEXIBLE INORGANIC ELECTROLYTE FUEL CELL DESIGN
US2012082868 A1 20120405	UNIV SOUTHERN CALIFORNIA [US]	US201113250939 20110930; US20100389104P 20101001	H01M8/16; H01M4/92; H01M4/96	Floating Microbial Fuel Cells
US2012129063 A1 20120524	WAERTSILAE FINLAND OY [FI]	US201113316422 20111209; FI20040005407 20041028; FI20090000251 20090	H01M8/04; H01M8/06; H01M8/24	FLOW ARRANGEMENT FOR FUEL CELL STACKS

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CN102412410 A 20120411	MICROVAST POWER SYSTEMS HUZHOU CO LTD	CN20101292299 20100923	H01M8/18; H01M4/86	Flow battery
CN102522575 A 20120627	Shandong Dongyue Polymer Material Co., Ltd.	CN20111438721 20111224	H01M8/02; C08J7/06; C08L27/18; C08L29/10; H01M2/16	Flow battery diaphragm and its preparation method
WO2012027161 A2 20120301	APPLIED MATERIALS INC [US]; WILSON GREGORY J [US]; HANSON KYLE M [US]	US20100868489 20100825	H01M8/18; H01M8/02; H01M8/04	FLOW BATTERY SYSTEMS
CN202127060U U 20120125	DONGFANG ELECTRIC CORP	CN20112253380U 20110718	H01M8/18; H01M4/86	Flow battery, flow battery stack and flow battery system
WO2012065036 A1 20120518	SIEMENS PTE LTD [SG]; LIANG LI-SHIANG [US]; YEO KENG HOO [SG]; YONG	US201161510157P 20110721; US20100413021P 20101112	H01M8/08	FLOW DISTRIBUTORS FOR ELECTROCHEMICAL SEPARATION
US2012015280 A1 20120119	OORJA PROTONICS INC [US]	US201113182931 20110714; US20100364691P 20100715	H01M8/10	FLOW FIELD DESIGN FOR HIGH CURRENT FUEL CELL APPLICATIONS
WO2012046248 A1 20120412	INDIAN INST OF TECHNOLOGY BOMBAY [IN]; CHANDRA GHOSH PRAKASH [IN]	IN2010MU02762 20101004	H01M8/04; H01M8/02; H01M8/24	FLOW FIELD DESIGN IN FUEL CELLS

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DE102011109909 A1 20120223	GM GLOBAL TECH OPERATIONS INC [US]	US20100861261 20100823	H01M8/02; C23C14/58; C23C16/56	Flow field plate for fuel cell applications comprises metal plate having first surface and second surface; activated carbon coating disposed adjacent to portion of the plate; and interface layer between the plate and the carbon coating
CN102324539 A 20120118	Tsinghua University	CN20111217478 20110801	H01M8/10; H01M4/86; H01M8/04	Fluid bed electrode direct carbon fuel cell device
US2012077104 A1 20120329	TOYOTA MOTOR CO LTD [JP]	JP20090139574 20090610; WO2010IB00867 20100419	H01M8/04; F04D29/00	FLUID COMPRESSOR AND FUEL CELL VEHICLE
JP2012017835 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100156979 20100709	F16K47/02; F16K27/00; F16K31/06; H01M8/04	FLUID INJECTION DEVICE
JP4872918B2 B2 20120208		JP20050312999 20051027; WO2006JP321802 20061025; JP20070542772 20061025	H01M8/24	FLUID PATH STRUCTURE OF FUEL CELL STACK
CN102403521 A 20120404	WUHAN INTEPOWER DUEL CELLS CO LTD	CN20111367137 20111118	H01M8/04	Fluid storage and purification integrated device for fuel cell and fluid cooling system of fuel cell
DE102010061796 A1 20120524	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	DE201010061796 20101123	H01M8/04	Fluid supply device for use in fuel cell system for separate supply
JP2012069493 A 20120405	KANSAI ELECTRIC POWER CO [JP]	JP20100215591 20100927	H01M8/04	FLUID SUPPLY DEVICE, FUEL CELL SYSTEM HAVING THE SAME, AND FLUID SUPPLY METHOD

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KR20120053795 A 20120529	KOREA ENERGY RESEARCH INST [KR]	KR20100115095 20101118	H01M8/06; G05D7/00; H01M8/04	FLUID SUPPLYING SYSTEM AND FLUID FILTER USING THE SAME
DE102010047263 A1 20120315	DAIMLER AG [DE]	DE201010045048 20100910; DE201010047263 20101001	F01D25/10; H01M8/04	Fluid-flow machine for aggregate i.e. fuel cell, of motor vehicle, has running wheel rotatably accommodated in housing and driven by electric motor, and heating device partially arranged in running wheel that is heated by heating device
US2012148932 A1 20120614	BIC SOC [FR]; ANGSTROM POWER INC [CA]	US201213401344 20120221; US20080053408 20080321; US20070919470P 2007	H01M8/24; H01M8/04	FLUIDIC DISTRIBUTION SYSTEM AND RELATED METHODS
US2012034536 A1 20120209	ISOM JOSHUA D [US]; VANDINE LESLIE L [US]; HILDRETH DEREK W [US]; PRESTON JOHN L [US]; HANRAHAN PAUL R [US]; LYNN RENI [US]	US	H01M8/06; H01M8/04	FLUIDIZED BED CONTAMINANT SEPARATOR AND WATER-CONTROL LOOP FOR A FUEL REACTANT STREAM OF A FUEL CELL
EP2454295 A1 20120523	COMMISSARIAT ENERGIE ATOMIQUE [FR]; CENTRE NAT RECH SCIENT [FR]	WO2010EP60065 20100713; FR20090054889 20090715	C08F216/14; C08F228/02; C08J5/22; H01M8/10	FLUORINATED COPOLYMERS, MEMBRANES PREPARED USING THE LATTER AND FUEL

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JP2012012464 A 20120119	SUMITOMO CHEMICAL CO [JP]	JP20100149332 20100630	C08F16/24; C08F8/00; C08J5/22; C08L27/12; H01B1/06; H01M4/86; H01M8/02; H01M8/10	FLUORINE POLYMER, MANUFACTURING METHOD OF THE SAME, AND POLYMER ELECTROLYTE
JP2012084278 A 20120426	ASAHI KASEI E MATERIALS CORP [JP]	JP20100227917 20101007	H01M8/02; H01B1/06; H01M8/10	FLUORINE SYSTEM POLYELECTROLYTE FILM
EP2405517 A1 20120111	ASAHI KASEI E MATERIALS CORP [JP]	WO2010JP53463 20100303; JP20090051226 20090304	H01M8/02; H01B1/06; H01M8/10	FLUORINE-CONTAINING POLYMER ELECTROLYTE MEMBRANE
WO2012046777 A1 20120412	ASAHI KASEI E MATERIALS CORP [JP]; YAMANE MICHIO [JP]; MIYAKE NAOTO [JP]	JP20100227918 20101007	H01M8/02; C08J9/42; C08L27/18; H01B1/06; H01M8/10	FLUORINE-CONTAINING POLYMER ELECTROLYTE MEMBRANE
EP2440586 A1 20120418	SOLVAY SPECIALTY POLYMERS ITALY S P A [IT]	WO2010EP58182 20100610; EP20090162625 20090612; EP20100725124 20100610	C08F8/22; C08J5/22; H01M8/10	FLUOROIONOMERS DISPERSIONS HAVING LOW SURFACE TENSION, LOW LIQUID VISCOSITY AND HIGH SOLID CONTENT
AT540083T T 20120115	DAIKIN IND LTD [JP]	JP20030056184 20030303; WO2004JP02609 20040303	C08L29/10; C08F8/00; C08F8/12; C08J3/11; C08J5/22; C08K5/00; C09D127/12;	FLÜSSIGE FLUORPOLYMERZUSAMMENSETZUNG, VERFAHREN ZUR HERSTELLUNG VON ORGANOSOL, FILM UND BRENNSTOFFZELLE

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			H01M8/02; H01M8/10	
JP2012079572 A 20120419	PANASONIC CORP [JP]	JP20100224553 20101004	H01M8/02; H01M4/88; H01M8/10	FORMING METHOD FOR CONVEXOCONCAVE MEMBRANE ELECTRODE ASSEMBLY
JP2012043255 A 20120301	MURATA MANUFACTURING CO [JP]	JP20100184875 20100820	G05D16/06; F16K31/126; H01M8/04	FORWARD CHECK VALVE AND FUEL CELL SYSTEM
JP2012042001 A 20120301	MURATA MANUFACTURING CO [JP]	JP20100184873 20100820	F16K31/126; F16K17/28; H01M8/04	FORWARD CHECK VALVE AND FUEL CELL SYSTEM
WO2012020645 A1 20120216	MURATA MANUFACTURING CO [JP]; HIRATA ATSUHIKO [JP]	JP20100179396 20100810	F16K31/126; H01M8/04	FORWARD CHECK VALVE AND FUEL CELL SYSTEM
WO2012023396 A1 20120223	MURATA MANUFACTURING CO [JP]; HIGASHIYAMA YUZO [JP]	JP20100184874 20100820	F16K31/126; H01M8/04	FORWARD CHECK VALVE AND FUEL-CELL SYSTEM
WO2012023395 A1 20120223	MURATA MANUFACTURING CO [JP]; HIGASHIYAMA YUZO [JP]	JP20100184876 20100820	G05D16/06; F16K31/126; H01M8/04	FORWARD CHECK VALVE AND FUEL-CELL SYSTEM
CA2757844 A1 20120510	RESEARCH IN MOTION LTD [CA]	EP20100190599 20101110	H05K7/14; G06F1/16; H01M8/04	FRAME INCORPORATING A FUEL CELL FOR AN ELECTRONIC PORTABLE DEVICE

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WO2012042288 A1 20120405	KAMPANATSANYAKORN KRISADA [TH]; HOLASUT SURADIT [TH]	IB	H01M8/18; H01M8/02; H01M8/24	FRAMELESS ELECTROCHEMICAL CELL STACK HAVING SELF CENTERING RIGID PLASTIC BUSHINGS IN ALIGNED THROUGH HOLES OF INTERCONNECTS AND MEMBRANE ASSEMBLIES
WO2012048875 A1 20120419	DAIMLER AG [DE]; FORD MOTOR CO [US]; WOOLLIAMS ELISABETH FUNK [CA]; FELLOWS RICHARD G [CA]; ROETT ADRIAN KENT [CA]; IWAN LAURA [CA]; GUENTHER MATTHEW BLAIR [CA]	US20100905325 20101015	H01M8/04	FREEZE START METHOD FOR FUEL CELLS
DK1722435T T3 20120625	ELCOMAX MEMBRANES GMBH [DE]	DE20031001810 20030120; EP20030815370 20031219	H01M8/10; C08J5/18; C08J5/22; H01M8/02	Fremgangsmåde til fremstilling af polymermembran- elektrode-enheder
JP2012054246 A 20120315	SEIKO EPSON CORP [JP]	JP20030041773 20030219; JP20030065321 20030311; JP20030095966 20030331; JP20110243774 20111107	H01M8/02	FUEL BATTER AND METHOD OF MANUFACTURING THE SAME
JP2012069407 A 20120405	AQUAFAIRY KK	JP20100213839 20100924	H01M8/02; H01M8/10	FUEL BATTERY

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JP2012033296 A 20120216	DAIHATSU MOTOR CO LTD [JP]	JP20100169931 20100729	H01M8/02; H01M8/10	FUEL BATTERY
JP2012023043 A 20120202	KYOCERA CORP [JP]	JP20040205504 20040713; JP20110182818 20110824	H01M8/04; H01M8/24	FUEL BATTERY
JP2012099488 A 20120524	KYOCERA CORP [JP]	JP20110265930 20111205	H01M8/04; H01M8/02; H01M8/12; H01M8/24	FUEL BATTERY
US2012009489 A1 20120112	TOYOTA AUTO BODY CO LTD [JP]	JP	H01M8/06; H01M8/10	FUEL BATTERY
JP2012003858 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100135155 20100614	H01M8/02; H01M8/24	FUEL BATTERY
JP2012059712 A 20120322	TOYOTA MOTOR CO LTD [JP]	JP20030277291 20030722; JP20110275344 20111216	H01M8/24	FUEL BATTERY
JP2012053986 A 20120315	TOYOTA MOTOR CO LTD [JP]	JP20100193044 20100831	H01M8/02; H01M8/06	FUEL BATTERY
JP2012033285 A 20120216	KYOCERA CORP [JP]	JP20100169398 20100728	H01M8/24; H01M8/12	FUEL BATTERY CELL
JP2012094324 A 20120517	NGK INSULATORS LTD [JP]	JP20100239669 20101026	H01M8/02; H01M8/12; H01M8/24	FUEL BATTERY CELL
JP2012094323 A 20120517	NGK INSULATORS LTD [JP]	JP20100239668 20101026	H01M8/24; H01M8/02; H01M8/12	FUEL BATTERY CELL
JP2012094322 A 20120517	NGK INSULATORS LTD [JP]	JP20100239660 20101026	H01M8/02; H01M8/12	FUEL BATTERY CELL
JP2012079518 A 20120419	TOTO LTD [JP]	JP20100222857 20100930	H01M8/24	FUEL BATTERY CELL AGGREGATE

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JP2012084411 A 20120426	KYOCERA CORP [JP]	JP20100230006 20101012	H01M8/24	FUEL BATTERY CELL DEVICE, FUEL BATTERY MODULE AND FUEL BATTERY DEVICE
JP2012094398 A 20120517	KYOCERA CORP [JP]	JP20100241416 20101027	H01M8/24; H01M8/04	FUEL BATTERY CELL DEVICE, FUEL BATTERY MODULE, AND FUEL BATTERY DEVI
JP2012113868 A 20120614	KYOCERA CORP [JP]	JP20100260174 20101122	H01M8/24; H01M8/04	FUEL BATTERY CELL DEVICE, FUEL CELL MODULE AND FUEL CELL DEVICE
JP2012043808 A 20120301	KYOCERA CORP [JP]	JP20110233056 20111024	H01M8/24; H01M8/02; H01M8/12	FUEL BATTERY CELL STACK, AND FUEL BATTERY
JP2012109238 A 20120607	NGK INSULATORS LTD [JP]	JP20100239655 20101026; JP20110235235 20111026	H01M8/02; H01M8/12	FUEL BATTERY CELL
JP2012099278 A 20120524	KYOCERA CORP [JP]	JP20100244507 20101029	H01M8/02	FUEL BATTERY CELL, CELL STACK MODULE, FUEL CELL MODULE, AND FUEL CEL
JP2012114032 A 20120614	KYOCERA CORP [JP]	JP20100263823 20101126	H01M8/02; H01M8/12; H01M8/24	FUEL BATTERY CELL, FUEL BATTERY CELL DEVICE, FUEL BATTERY MODULE, AND FUEL BATTERY DEVICE
JP2012089387 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100236008 20101021	H01M8/02	FUEL BATTERY CELL, FUEL BATTERY STACK, AND SEPARATOR
JP2012014922 A 20120119	TOTO LTD [JP]	JP20100149395 20100630	H01M8/04; H01M8/06	FUEL BATTERY DEVICE
JP2012014921 A 20120119	TOTO LTD [JP]	JP20100149394 20100630	H01M8/04	FUEL BATTERY DEVICE
JP2012028099 A 20120209	KYOCERA CORP [JP]	JP20100164379 20100721	H01M8/04; H01M8/06	FUEL BATTERY MODULE AND FUEL BATTERY DEVICE
JP2012123972 A 20120628	ATECT CORP	JP20100272508 20101207	H01M8/02	FUEL BATTERY SEPARATOR

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JP2012022865 A 20120202	HONDA MOTOR CO LTD [JP]	JP20100159317 20100714	H01M8/24	FUEL BATTERY STACK
JP2012028119 A 20120209	NISSAN MOTOR [JP]	JP20100164877 20100722	H01M8/02	FUEL BATTERY STACK AND METHOD OF MANUFACTURING THE SAME
JP2012099220 A 20120524	AISIN SEIKI [JP]	JP20100243114 20101029	H01M8/04	FUEL BATTERY SYSTEM
JP2012014888 A 20120119	PANASONIC CORP [JP]	JP20100148426 20100630	H01M8/04; H01M8/00	FUEL BATTERY SYSTEM
JP2012038481 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100175884 20100805	H01M8/04; B60L11/18; H01M8/00; H01M8/10	FUEL BATTERY SYSTEM
JP2012028146 A 20120209	TOYOTA MOTOR CO LTD [JP]	JP20100165231 20100722	H01M8/04; H01M8/10	FUEL BATTERY SYSTEM
CN102386425 A 20120321	TOYOTA MOTOR CO LTD [JP]	JP20070333983 20071226	H01M8/04	Fuel battery system
JP2012104438 A 20120531	TOYOTA MOTOR CO LTD [JP]	JP20100253823 20101112	H01M8/04	FUEL BATTERY SYSTEM AND ITS ABNORMALITY DETECTION METHOD
JP2012123914 A 20120628	TOYOTA MOTOR CO LTD [JP]	JP20100271111 20101206	H01M8/04	FUEL BATTERY SYSTEM
JP2012113848 A 20120614	TOYOTA MOTOR CO LTD [JP]	JP20100259637 20101122	H01M8/04; H01M8/02; H01M8/10	FUEL BATTERY SYSTEM
JP2012119332 A 20120621	PANASONIC CORP [JP]	JP20120024144 20120207	H01M8/04; H01M8/00; H01M8/10	FUEL BATTERY SYSTEM, AND METHOD FOR OPERATING FUEL BATTERY SYSTEM
JP2012028115 A 20120209	PANASONIC CORP [JP]	JP20100164822 20100722	H01M8/04; H01M4/96	FUEL BATTERY SYSTEM, AND OPERATION METHOD OF FUEL BATTERY SYSTEM
JP2012074229 A 20120412	TOYOTA MOTOR CORP [JP]; AISIN SEIKI	JP20100217735 20100928	H01M8/04; H01M8/12	FUEL BATTERY SYSTEM, FUEL BATTERY CELL DEGRADATION DETERMINATION METHOD, AND FUEL BATTERY SYSTEM CONTROL METHOD

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JP2012064528 A 20120329	FUJIKURA LTD	JP20100209752 20100917	H01M8/04	FUEL BATTERY WITH TEMPERATURE CONTROL DEVICE
JP4888616B2 B2 20120229		JP20100012936 20100125; WO2010JP73147 20101222; JP20110529407 20101222	H01M8/02; H01M8/06	FUEL BATTERY
JP2012109072 A 20120607	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100255755 20101116	H01M4/90; H01M4/86; H01M8/04; H01M8/06; H01M8/10	FUEL BATTERY, FUEL BATTERY SYSTEM, AND METHOD FOR OPERATION THEREOF
JP2012048825 A 20120308	TOYOTA MOTOR CO LTD [JP]	JP20100186823 20100824	H01M8/02	FUEL BATTERY, PASSAGE MEMBER AND SEPARATOR
US2012129081 A1 20120524	NAKAMURA YASUAKI [JP]	JP20060018503 20060127; WO2007US02105 20070126	H01M8/04	FUEL CARTRIDGE
JP4867345B2 B2 20120201		JP20030377104 20031106; WO2004JP16527 20041108; JP20050515331 20041108	H01M8/04; H01M8/10	Fuel cartridge for fuel cell and fuel cell with the fuel cartridge
EP2456001 A1 20120523	BIC SOC [FR]	EP20060816255 20061004; US20050243767 20051005	H01M8/04	Fuel cartridge for fuel cells

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EP2458668 A1 20120530	BIC SOC [FR]	EP20060816254 20061004; US20050244218 20051005	B67D7/72; H01M8/04	Fuel cartridge of a fuel cell with fuel stored outside fuel liner
US2012135335 A1 20120531	BIC SOC [FR]	US201213366919 20120206; US20060614270 20061221; US20030629004 20030	H01M8/04; B67D99/00; F16K24/04; F16K24/06	Fuel Cartridge with Flexible Liner
JP4867349B2 B2 20120201		JP20030411074 20031209; WO2004JP18151 20041206; JP20050516105 20041206	H01M8/04; B65D83/00; F17C9/02; H01M8/06	Fuel cartridge, fuel cell and portable electrical appliance including fuel cell
US2012156587 A1 20120621	AKASAKA YOSHIHIRO [JP]; AKITA MASATO [JP]; YAGI RYOSUKE [JP]	JP	H01M8/10	FUEL CELL
US2012015281 A1 20120119	DAIHATSU MOTOR CO LTD [JP]	JP20090072794 20090324; WO2010JP53433 20100303	H01M8/10; H01M8/22	FUEL CELL
JP2012094389 A 20120517	DAIHATSU MOTOR CO LTD [JP]	JP20100241272 20101027	H01M4/90; H01M8/02; H01M8/06; H01M8/10	FUEL CELL

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WO2012056626 A1 20120503	DAIHATSU MOTOR CO LTD [JP]; SAKAMOTO TOMOKAZU [JP]; ASAZAWA KOICHIRO	JP20100241273 20101027	H01M4/90; H01M8/02; H01M8/06	FUEL CELL
JP2012089329 A 20120510	FUJI ELECTRIC CO LTD	JP20100234508 20101019	H01M8/02	FUEL CELL
US2012021324 A1 20120126	HONDA MOTOR CO LTD [JP]	JP20090090370 20090402; WO2010JP54393 20100316	H01M8/24; H01M8/04	FUEL CELL
US2012003561 A1 20120105	HONDA MOTOR CO LTD [JP]	JP20090075303 20090326; WO2010JP55778 20100324	H01M8/24; H01M8/04; H01M8/10	FUEL CELL
JP2012009211 A 20120112	HONDA MOTOR CO LTD [JP]	JP20100142633 20100623	H01M8/02; H01M8/12	FUEL CELL
US2012009498 A1 20120112	HONDA MOTOR CO LTD [JP]	JP20090090377 20090402; WO2010JP54395 20100316	H01M8/24; H01M8/10	FUEL CELL
JP2012043556 A 20120301	HONDA MOTOR CO LTD [JP]	JP20100181541 20100816	H01M8/02	FUEL CELL
US2012094208 A1 20120419	HONDA MOTOR CO LTD [JP]	JP20090151229 20090625; WO2010JP59313 20100602	H01M8/10; H01M8/04	FUEL CELL

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EP2436082 A1 20120404	HONDA MOTOR CO LTD [JP]	WO2010JP65365 20100901; JP20090207304 20090908	H01M8/24; H01M8/02	FUEL CELL
JP2012089528 A 20120510	HONDA MOTOR CO LTD [JP]	JP20120000555 20120105	H01M8/02; H01M8/10	FUEL CELL
US2012129071 A1 20120524	HONDA MOTOR CO LTD [JP]	JP20100259630 20101122; JP20110226780 20111014	H01M8/04; H01M8/24	FUEL CELL
WO2012081321 A1 20120621	HONDA MOTOR CO LTD [JP]; KOTANI TAKAFUMI [JP]	JP20100278727 20101215	H01M8/12; H01M8/02; H01M8/24	FUEL CELL
WO2012053288 A1 20120426	HONDA MOTOR CO LTD [JP]; SUGIURA SEIJI [JP]; NAKAMURA TETSUYA [JP]	JP20100279976 20101216; JP20100235721 20101020; JP20100235718 20101020; JP20100235427 20101020; JP20100235425 20101020	H01M8/02	FUEL CELL
CN102511102 A 20120620	Kabushiki Kaisha Toshiba	WO2010JP06363 20101028; JP20090248100 20091028	H01M8/04; H01M8/10	Fuel cell
JP2012059413 A 20120322	KONICA MINOLTA HOLDINGS INC [JP]	JP20100199197 20100906	H01M8/24; C01B3/08; H01M8/02; H01M8/04; H01M8/06	FUEL CELL

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WO2012008266 A1 20120119	KONICA MINOLTA HOLDINGS INC [JP]; OHMORI HIROKO [JP]; ISHIDA NOBUHISA [JP]	JP20100160398 20100715	H01M8/02; H01M8/04; H01M8/06; H01M8/12; H01M8/24	FUEL CELL
AU2010286081 A1 20120308	MIOXIDE MINING PTY LTD [ZA]	ZA20090005685 20090817; ZA20090009200 20091223; WO2010IB53688 20100816	H01M8/06; H01M2/14; H01M8/08; H01M8/10; H01M8/20; H01M10/04; H01M12/00	Fuel cell
JP2012003941 A 20120105	NGK SPARK PLUG CO [JP]	JP20100137941 20100617	H01M8/04; H01M8/06	FUEL CELL
JP2012018854 A 20120126	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100156270 20100709	H01M8/02; H01M8/10	FUEL CELL
JP2012003875 A 20120105	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100135730 20100615	H01M8/02; H01M8/24	FUEL CELL
JP2012069479 A 20120405	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100215399 20100927	H01M8/02	FUEL CELL
JP2012079637 A 20120419	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100226219 20101006	H01M4/86; H01M8/02; H01M8/04; H01M8/10	FUEL CELL
JP2012069260 A 20120405	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100210647 20100921	H01M8/02; H01M4/86	FUEL CELL

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CN102484264 A 20120530	NISSAN MOTOR [JP]	WO2011JP52586 20110208; JP20100060363 20100317	H01M8/02; H01M8/10; H01M8/24	Fuel cell
WO2012081333 A1 20120621	NISSAN MOTOR [JP]; UEHARA SHIGETAKA; NISHIMURA HIDETAKA; KAGEYAMA KA	JP20100281494 20101217	H01M8/02; H01M8/24	FUEL CELL
JP2012054116 A 20120315	OLYMPUS CORP [JP]	JP20100196186 20100901	H01M8/02; H01M8/04; H01M8/16	FUEL CELL
WO2012066936 A1 20120524	OLYMPUS CORP [JP]; KISHIDA TAKAYUKI [JP]; AKAGI TOSHIMASA [JP]	JP20100258034 20101118; JP20110173075 20110808	H01M8/06; H01M8/02; H01M8/04; H01M8/10	FUEL CELL
US2012028161 A1 20120202	SATO YUUICHI [JP]; WATANABE DAISUKE [JP]; OOMICHI GENTA [JP]; NEGISHI NOBUYASU [JP]; KAN HIROFUMI [JP]; AKAMOTO YUKINORI [JP]	JP20090096108 20090410; WO2010JP55256 20100325	H01M8/10	FUEL CELL
JP2012033384 A 20120216	SOKA UNIV	JP20100171913 20100730	H01M8/02; H01M4/96; H01M8/06; H01M8/10; H01M8/16	FUEL CELL

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JP2012054059 A 20120315	TOSHIBA CORP [JP]; TOSHIBA ELECTRONIC ENG [JP]	JP20100194682 20100831	H01M8/04	FUEL CELL
CN102414891 A 20120411	TOSHIBA KK [JP]	WO2010JP62931 20100730; JP20090184773 20090807	H01M8/04; H01M8/10	Fuel cell
JP2012018883 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100156901 20100709	H01M8/02	FUEL CELL
JP2012015015 A 20120119	TOYOTA MOTOR CO LTD [JP]	JP20100152012 20100702	H01M4/86; H01M8/02; H01M8/10	FUEL CELL
JP2012003857 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100135148 20100614	H01M8/02	FUEL CELL
JP2012033326 A 20120216	TOYOTA MOTOR CO LTD [JP]	JP20100170402 20100729	H01M8/24	FUEL CELL
JP2012033325 A 20120216	TOYOTA MOTOR CO LTD [JP]	JP20100170398 20100729	H01M8/02	FUEL CELL
JP2012028160 A 20120209	TOYOTA MOTOR CO LTD [JP]	JP20100165472 20100723	H01M8/02	FUEL CELL
JP2012038569 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100177468 20100806	H01M8/02	FUEL CELL
JP2012054118 A 20120315	TOYOTA MOTOR CO LTD [JP]	JP20100196286 20100902	H01M8/02; H01M8/10	FUEL CELL
JP2012048840 A 20120308	TOYOTA MOTOR CO LTD [JP]	JP20100187138 20100824	H01M8/02	FUEL CELL
EP2432059 A1 20120321	TOYOTA MOTOR CO LTD [JP]	WO2010JP03437 20100521; WO2009JP06052 20091112	H01M8/02; H01M8/10	FUEL CELL

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JP2012069445 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100214689 20100927	H01M8/02; H01M8/10	FUEL CELL
JP2012084264 A 20120426	TOYOTA MOTOR CO LTD [JP]	JP20100227428 20101007	H01M8/04; H01M8/02	FUEL CELL
JP2012079615 A 20120419	TOYOTA MOTOR CO LTD [JP]	JP20100225419 20101005	H01M8/02; H01M4/86	FUEL CELL
JP2012074266 A 20120412	TOYOTA MOTOR CO LTD [JP]	JP20100218379 20100929	H01M8/02	FUEL CELL
JP2012069384 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100213297 20100924	H01M8/02	FUEL CELL
JP2012069377 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100213169 20100924	H01M8/24; H01M8/02	FUEL CELL
JP2012069341 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100212296 20100922	H01M8/02; H01M4/86; H01M8/10	FUEL CELL
JP2012099343 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100246084 20101102	H01M8/02; H01M4/96; H01M8/10	FUEL CELL
WO2012007998 A1 20120119	TOYOTA MOTOR CO LTD [JP]; TAKESHITA NAOHIRO [JP]; HAMADA HITOSHI [JP]; ITO MASAYUKI [JP]; IDA ATSUSHI [JP]; AONO HARUYUKI [JP]; KONNO NORISHIGE [JP]; KAJIWARA TAKASHI [JP]; TAKAMURA TOMOYUKI [JP]	JP	H01M8/02; H01M8/10	FUEL CELL

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US2012028139 A1 20120202	TOYOTA MOTOR CO LTD [JP]; TOYOTA AUTO BODY CO LTD	WO2009JP56646 20090331; WO2010JP50562 20100119	H01M8/06; H01M8/10	FUEL CELL
JP2012048995 A 20120308	TOYOTA MOTOR CORP [JP]; NIPPON SOKEN [JP]	JP20100190279 20100827	H01M8/02; H01M8/10	FUEL CELL
EP2433327 A1 20120328	UNIV STRATHCLYDE [GB]	WO2010GB01031 20100524; GB20090008910 20090522	H01M4/90; H01M8/10; H01M8/22	FUEL CELL
WO2012007727 A1 20120119	UNIV STRATHCLYDE [GB]; TAO SHANWEN [GB]; LAN RONG [GB]	GB20100012011 20100716	H01M8/22; C08J5/22; H01M4/90; H01M4/96; H01M8/10	FUEL CELL
US2012003562 A1 20120105	UTC POWER CORP [US]; TOYOTA MOTOR CO LTD [JP]	JP20090013220 20090123; WO2010JP00297 20100120	H01M8/10	FUEL CELL
JP4953539B2 B2 20120613		DE20001006781 20000218; WO2001EP00879 20010127	H01M8/00; H01M8/04; B60L1/00; B60L3/00; B60L3/04; B60L11/18	FUEL CELL AND CONTROL UNIT IN A DETACHABLE HOUSING
JP2012028151 A 20120209	TOYOTA MOTOR CO LTD [JP]	JP20100165413 20100723	H01M8/02; H01M8/04	FUEL CELL AND DISASSEMBLY METHOD OF FUEL CELL

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WO2012085887 A2 20120628	GARAL PTY LTD [AU]; HODGES ALASTAIR M [AU]; CHAMBERS GARRY [AU]	US201061427100P 20101223	H01M8/02; H01M8/10	FUEL CELL AND ELECTROLYSER STRUCTURE
US2012164559 A1 20120628	DARLING ROBERT MASON [US]; O'BRIEN ERIC J [US]	US	H01M8/04; H01M4/86; H01M8/00	FUEL CELL AND FLOW FIELD PLATE FOR FLUID DISTRIBUTION
US2012009502 A1 20120112	DARLING ROBERT MASON [US]; O'BRIEN ERIC J [US]	US	H01M8/04	FUEL CELL AND FLOW FIELD PLATE WITH FLOW GUIDE
US2012015274 A1 20120119	DARLING ROBERT MASON [US]	US	H01M8/04	FUEL CELL AND FLOW FIELD PLATE WITH FLOW GUIDES
WO2012035873 A1 20120322	SEIKO INSTR INC [JP]; ISHISONE NOBORU [JP]; SUDA MASAYUKI [JP]; YUZURIHARA KAZUTAKA [JP]; OZAKI TORU [JP]; YANASE NORIMASA [JP]	JP20100207088 20100915	H01M8/02; H01M8/10	FUEL CELL AND FUEL CELL DEVICE
WO2012035872 A1 20120322	SEIKO INSTR INC [JP]; OZAKI TORU [JP]; ISHISONE NOBORU [JP]; YANASE NORIMASA [JP]; YUZURIHARA KAZUTAKA [JP]; SUDA MASAYUKI [JP]	JP20100206578 20100915	H01M8/02; H01M8/04; H01M8/10	FUEL CELL AND FUEL CELL DEVICE

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US2012088183 A1 20120412	HONDA MOTOR CO LTD [JP]	US201113326979 20111215; JP20010022047 20010130; JP20020005333 20020111; US20060326020 20060105; US20020058657 20020128	H01M8/10; H01M2/14; H01M8/02; H01M8/04; H01M8/24	FUEL CELL AND FUEL CELL STACK
WO2012076956 A1 20120614	TOYOTA MOTOR CO LTD [JP]; SATO KENJI [JP]	JP20100271956 20101206	H01M8/02; H01M8/00; H01M8/24	FUEL CELL AND FUEL CELL STACK
JP4862825B2 B2 20120125		JP20050117241 20050414; WO2006JP307954 20060414; JP20070528121 20060414	H01M8/02; H01M8/04; H01M8/24	Fuel Cell and Fuel Cell Stack
JP2012064386 A 20120329	SEIKO INSTR INC [JP]	JP20100206579 20100915	H01M8/02; H01M8/10	FUEL CELL AND FUEL CELL SYSTEM
JP2012064384 A 20120329	SEIKO INSTR INC [JP]	JP20100206577 20100915	H01M8/02	FUEL CELL AND FUEL CELL SYSTEM
JP2012064383 A 20120329	SEIKO INSTR INC [JP]	JP20100206576 20100915	H01M8/02; H01M4/86; H01M8/04	FUEL CELL AND FUEL CELL SYSTEM
JP2012059628 A 20120322	TOSHIBA CORP [JP]	JP20100203494 20100910	H01M8/02; H01M8/04; H01M8/10	FUEL CELL AND FUEL CELL SYSTEM

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US2012115051 A1 20120510	TOYOTA MOTOR CO LTD [JP]	US201213354675 20120120; JP20070305732 20071127; US20090531366 20090	H01M8/06	FUEL CELL AND GAS SEPARATOR FOR FUEL CELL
US2012129080 A1 20120524	KIM JAN-DEE [KR]; SUH JUN-WON [KR]; KWON YOUNG-SUN [KR]; KWEON HO-JIN	KR20100115561 20101119	H01M2/14; H01M8/00	Fuel cell and manufacturing method of the same
US2012088178 A1 20120412	SAMSUNG ELECTRO MECH [KR]	KR20100098779 20101011	H01M8/24; H01M8/00; H01M8/10	FUEL CELL AND MANUFACTURING METHOD THEREOF
JP4860264B2 B2 20120125		JP20030376512 20031106; WO2004JP16428 20041105; JP20050515317 20041105	H01M8/24; H01M4/86; H01M8/02; H01M8/10	Fuel cell and method for fabricating same
JP2012089439 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100237369 20101022	H01M8/02; H01M8/10	FUEL CELL AND METHOD FOR MANUFACTURING FUEL CELL
WO2012060029 A1 20120510	TOYOTA MOTOR CO LTD [JP]; ODA TOHRU [JP]	JP20100247491 20101104	H01M8/02; H01M4/86; H01M8/10	FUEL CELL AND METHOD FOR MANUFACTURING FUEL CELL
US2012122012 A1 20120517	NISSAN MOTOR [JP]	JP20090184358 20090807; WO2010JP63205 20100804	H01M8/10; B32B37/14	FUEL CELL AND METHOD FOR MANUFACTURING SAME

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WO2012086082 A1 20120628	TOYOTA MOTOR CO LTD [JP]; NORIMOTO MICHITO [JP]	JP	H01M4/96; H01M4/88; H01M8/02; H01M8/10	FUEL CELL AND METHOD FOR MANUFACTURING SAME
JP2012022866 A 20120202	TOYOTA MOTOR CO LTD [JP]	JP20100159372 20100714	H01M8/02; H01M4/86; H01M8/10	FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
JP2012059503 A 20120322	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100200961 20100908	H01M4/86; H01M4/88; H01M8/04; H01M8/10; H01M8/24	FUEL CELL AND METHOD FOR MANUFACTURING THE SAME, AND METHOD FOR MANUFACTURING CARBON POROUS LAYER FOR FUEL CELL AND METHOD FOR INSPECTING REPELLENCY OF THE CARBON POROUS LAYER
US2012021323 A1 20120126	ERDLER GILBERT [DE]; FRANK MIRKO [DE]; REINECKE HOLGER [DE]; MUELLER CLAAS [DE]	EP20090001158 20090128; WO2009EP09011 20091216	H01M8/04; H01M4/86; H01M8/24	FUEL CELL AND METHOD FOR PRODUCING THE SAME
JP2012104262 A 20120531	TOYOTA MOTOR CO LTD [JP]	JP20100249482 20101108	H01M8/02; H01M8/04	FUEL CELL AND METHOD FOR SEPARATING THE SAME
KR20120041092 A 20120430	SAMSUNG SDI CO LTD [KR]	US20100908776 20101020; KR20100046934 20100519	H01M8/12; B05D1/18; H01M8/02; H01M8/04	FUEL CELL AND METHOD OF MANUFACTURING THEREOF
JP4867344B2 B2 20120201		JP20030377084 20031106; WO2004JP16525 20041108; JP20050515329 20041108	H01M8/02; H01M8/04	Fuel cell and method of operating same

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JP2012015042 A 20120119	TOYOTA MOTOR CO LTD [JP]	JP20100152811 20100705	H01M8/02; H01M8/10	FUEL CELL AND SEPARATOR SET
US2012034545 A1 20120209	YAMAURA KUNIHIRO [JP]	JP20100175892 20100805	H01M8/04; H01M8/24	FUEL CELL APPARATUS
TW201220584 A 20120516	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	TW20100137394 20101101	H01M8/04; G01R31/36; H04B7/00	Fuel cell apparatus combined heat and power system with radio freque
US2012034544 A1 20120209	MAHLANEN TIMO [FI]	FI20080005977 20081017; WO2009FI50831 20091015	H01M8/04; H01M2/10; H01M8/24	FUEL CELL ARRANGEMENT
JP2012506113 A 20120308		FI20080005976 20081017; WO2009FI50828 20091015	H01M8/24; H01M8/04	FUEL CELL ARRANGEMENT COMPRISING FUEL CELL STACKS
DE102010053702 A1 20120119	MTU ONSITE ENERGY GMBH [DE]	DE201010053702 20101207	H01M8/00; H02N11/00	Fuel cell arrangement e.g. molten carbonate fuel cell arrangement, has thermoelectric generator arranged at high temperature fuel cell for generating electrical energy using heat prevailing in fuel cell
DE102010046610 A1 20120329	DAIMLER AG [DE]	DE201010046610 20100925	H01M8/02	Fuel cell arrangement for e.g. vehicle, has fuel cell with functional units rolled up for formation of roller, and terminals arranged at front end of roller, where one functional unit is subdivided into separate segments
WO2012065702 A1 20120524	MTU FRIEDRICHSHAFEN GMBH [DE]; BURMEISTER UWE [DE]; HUBER JOHANN	DE201010051753 20101117	H01M8/24	FUEL CELL ARRANGEMENT HAVING A FUEL CELL STACK WHICH CAN BE DEFORMED

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DE102010047478 A1 20120412	MTU ONSITE ENERGY GMBH [DE]	DE201010047478 20101006	H01M8/04	Fuel cell arrangement, has end plates arranged such that movement possibility is created between plates and in z-direction to distributors while movement is prevented in direction transverse to y-direction, z-direction and/or in x-direction
EP2424021 A2 20120229	VAILLANT GMBH [DE]	AT20100001417 20100825	H01M8/04	Fuel cell assembly
US2012021327 A1 20120126	TOTO LTD [JP]	JP20090087053 20090331; WO2010JP55917 20100331	H01M8/24	FUEL CELL ASSEMBLY AND FUEL CELL DEVICE
EP2406847 A1 20120118	SIEMENS AG [DE]	WO2010EP50906 20100127; EP20090152893 20090216; EP20100702852 20100127	H01M8/24; H01M8/04; H01M8/10	FUEL CELL ASSEMBLY AND METHOD FOR OPERATING A FUEL CELL ASSEMBLY
US2012028135 A1 20120202	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/00	FUEL CELL ASSEMBLY AND VEHICLE
DE102010047736 A1 20120412	MTU ONSITE ENERGY GMBH [DE]	DE201010047736 20101008	H01M8/02	Fuel cell assembly comprises a fuel cell, an end plate arranged adjacent to it, a sealing device having a transverse seal and a longitudinal seal for effecting a seal with respect to a gas distributor, and a flat sealing element
DE102010051748 A1 20120524	GRAEBENER MASCHINENTECHNIK GMBH & CO KG [DE]	DE201010051748 20101119	H01M8/24; H01M8/04	Fuel cell assembly for fuel cell system, has flexible pressure trans

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WO2012057775 A1 20120503	UTC POWER CORP [US]; PARSONS JASON B [US]; PATTERSON TIMOTHY W [US]	US	H01M8/02; C09K3/10; H01M8/10	FUEL CELL ASSEMBLY SEALING ARRANGEMENT
JP2012503280 A 20120202		DE200810047921 20080919; DE200910013586 20090317; WO2009EP06699 20090916	H01M8/04	FUEL CELL ASSEMBLY WITH A MODULAR CONSTRUCTION
WO2012071038 A1 20120531	UTC POWER CORP [US]; CARNEVALE CHRISTOPHER JOHN [US]; LAKE JEFFREY G	US	H01M8/24; H01M8/02	FUEL CELL ASSEMBLY WITH ANTI-CLOCKING FEATURES AT THE ENDS OF THE CE
JP2012505496 A 20120301		GB20080018320 20081007; WO2009GB02402 20091007	H01M8/24	FUEL CELL ASSEMBLY
JP2012109256 A 20120607	KYOCERA CORP [JP]	JP20050088391 20050325; JP20120001701 20120107	H01M8/04; H01M8/00	FUEL CELL ASSEMBLY
CN102306813 A 20120104	Shanghai Jiao Tong University	CN20111231853 20110812	H01M8/02; H01M8/04	Fuel cell bipolar plate prepared through metal sheet stamping and forming, and application thereof
JP2012069389 A 20120405	TOTO LTD [JP]	JP20100213440 20100924	H01M8/02	FUEL CELL BODY, FUEL CELL UNIT, FUEL CELL STACK AND FUEL CELL COMPRISING THEM
CN102306819 A 20120104	TOTO LTD [JP]	JP20060251530 20060915	H01M8/12; H01M2/30; H01M8/24	Fuel cell body, fuel cell unit, fuel cell stack and fuel cell device including one of them

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WO2012015051 A1 20120202	KYOCERA CORP [JP]; ONO TAKASHI [JP]	JP20100170741 20100729	H01M8/24	FUEL CELL BUNDLE AND FUEL CELL MODULE PROVIDED WITH SAME
JP2012094417 A 20120517	KYOCERA CORP [JP]	JP20100241788 20101028	H01M8/04; C01B3/38; H01M8/06; H01M8/12	FUEL CELL CARBURETOR, FUEL CELL REFORMER, CELL STACK DEVICE, FUEL CE
JP2012079573 A 20120419	PANASONIC CORP [JP]	JP20100224554 20101004	H01M4/88; C08J7/04; H01M8/02	FUEL CELL CATALYST COATED MEMBRANE MANUFACTURING METHOD
WO2012058688 A1 20120503	ARDICA TECHNOLOGIES [US]; FABIAN TIBOR [US]; BRAITHWAITE DANIEL [US]	US20100408546P 20101029	H01M8/04	FUEL CELL CHARGING SYSTEM AND METHOD OF USE
WO2012033491 A1 20120315	UTC POWER CORP [US]; SUN ELLEN Y [US]; CHEN LEI [US]; YAMANIS JEAN [US]; MAGDEFRAU NEAL [US]; FRAME DUSTIN [US]	US	H01M8/12; C04B35/01; C23C14/00; H01M8/02	FUEL CELL COATING
JP2012052686 A 20120315	PANASONIC CORP [JP]	JP20100193447 20100831	F24H1/00; F24H1/18; H01M8/00; H01M8/04	FUEL CELL COGENERATION SYSTEM
KR20120056563 A 20120604		KR20100118163 20101125	H01M8/04; B65D88/00; F24D3/00	fuel cell cogeneration system capable of continuous and lengthy oper

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WO2012013867 A1 20120202	COMMISSARIAT ENERGIE ATOMIQUE [FR]; THERY JESSICA [FR]; BOUTRY DELPHINE [FR]; FAUCHEUX VINCENT [FR]	FR20100003153 20100727	H01M8/02; H01M8/10; H01M8/24	FUEL CELL COMPRISING A PLURALITY OF BASIC CELLS CONNECTED IN SERIES, AND METHOD FOR MANUFACTURING SAME
KR101103847B B1 20120106	UNIV SOONGSIL RES CONSORTIUM [KR]	KR20100078866 20100816	H01M8/18; H01M8/02; H01M8/04	FUEL CELL COMPRISING CATHODE ELECTRODE USING IRON REDOX COUPLE
WO2012061055 A2 20120510	BLOOM ENERGY CORP [US]; GURUNATHAN RANGANATHAN [IN]; BALLANT	US20100406265P 20101025	H02M7/48; H01M8/00	FUEL CELL CONTROL DEVICE AND METHOD
KR20120062381 A 20120614	HYUNDAI MOTOR CO LTD [KR]	KR20100123614 20101206	H01M8/04; B60L11/18; G01R27/26; H01M8/10	FUEL CELL COOLING SYSTEM
KR20120062270 A 20120614	HYUNDAI MOTOR CO LTD [KR]	KR20100123459 20101206	H01M8/04; B60L11/18; F25B21/02	FUEL CELL COOLING SYSTEM AND CONTROL METHOD OF THE SAME
US2012122003 A1 20120517	HYUNDAI MOTOR CO LTD [KR]	KR20100112965 20101112	H01M8/04	FUEL CELL COOLING SYSTEM OF FUEL CELL FOR VEHICLE
JP2012507130 A 20120322		GB20080019863 20081030; WO2009GB02560 20091020	H01M8/04; H01M8/06	Fuel Cell Cooling
KR20120058642 A 20120608		KR20100082711 20100826	F24C5/16; H01M8/04	Fuel Cell DC Voltage Generator for Residential Stove

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US2012148926 A1 20120614	ENERFUEL INC [US]	US20100966564 20101213	H01M8/06	FUEL CELL DEHUMIDIFICATION SYSTEM AND METHOD
US2012040263 A1 20120216	KYOCERA CORP [JP]	JP20090105950 20090424; WO2010JP55021 20100324	H01M8/04; H01M8/06	Fuel Cell Device
KR20120024977 A 20120314	KYOCERA CORP [JP]	JP20090176296 20090729	H01M8/04; H01M8/12	FUEL CELL DEVICE
KR20120054657 A 20120530	KYOCERA CORP [JP]	JP20090221860 20090928; JP20090247307 20091028	H01M8/04; H01M8/12	FUEL CELL DEVICE
WO2012041243 A1 20120405	MA RUNZHI [CN]; SHI HUI [CN]; SHI JIAN [CN]; ZHANG XUEGUO [CN]; CHENG BINGYE [CN]	CN20101525689 20101027; CN20101525678 20101027; CN20101525654 20101027; CN20101501374 20100930	H01M12/06; H01M8/04	FUEL CELL DEVICE
CN102318120 A 20120111	SONY CORP [JP]	WO2010JP52003 20100204; JP20090038800 20090223	H01M8/04; H01M8/00; H01M8/10; H01M10/46	Fuel cell device
JP2012089294 A 20120510	TOTO LTD [JP]	JP20100233647 20101018	H01M8/24	FUEL CELL DEVICE
JP2012089293 A 20120510	TOTO LTD [JP]	JP20100233646 20101018	H01M8/04; H01M8/06	FUEL CELL DEVICE

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WO2012043645 A1 20120405	TOTO LTD [JP]; OTSUKA TOSHIHARU [JP]; TSUCHIYA KATSUHISA [JP]; SHIGEZUMI TSUKASA [JP]; OOE TOSHIHARU [JP]; NAKANO KIYOTAKA [JP]; MATSUO TAKUYA [JP]	JP20100220433 20100930	H01M8/04	FUEL CELL DEVICE
JP2012054185 A 20120315	TOYOTA MOTOR CO LTD [JP]	JP20100197632 20100903	H01M8/04	FUEL CELL DEVICE
JP2012511886 A 20120524		FI20080006181 20081209; WO2009FI50968 20091201	H02J3/38; H01M8/04; H02M7/48	FUEL CELL DEVICE AND METHOD FOR FEEDING ELECTRICAL CURRENT TO ELECTRICAL NETWORK
EP2441111 A1 20120418	MYFC AB [SE]	WO2010SE50637 20100609; SE20090000781 20090609; SE20090051012 20091222	H01M8/04; H01M8/10; H01M8/24	FUEL CELL DEVICE AND METHOD OF OPERATING THE SAME
JP2012084366 A 20120426	KONICA MINOLTA HOLDINGS INC [JP]	JP20100229153 20101008	H01M8/04; H01M8/06	FUEL CELL DEVICE AND SECONDARY FUEL CELL SYSTEM
JP2012507121 A 20120322		US20080109107P 20081028; WO2009US62335 20091028	H01M8/02; H01M4/86; H01M8/04; H01M8/24	FUEL CELL DEVICE AND SYSTEM

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US2012152835 A1 20120621	CARDENAS ANDRES [US]; STRAWN TOLER [US]; SHORT TIM [US]; MCCRACKEN W	US201113328985 20111216; US201061424456P 20101217	H01M8/16; B01D61/00; C02F1/48; C02F3/12	FUEL CELL DEVICES FOR USE IN WATER TREATMENT AND RECLAMATION PROCESS
US2012122016 A1 20120517	GM GLOBAL TECH OPERATIONS INC [US]	US20100946180 20101115	H01M8/10	Fuel Cell Durability Through Oxide Supported Precious Metals in Memb
CN102364741 A 20120229	WUHAN INTEPOWER DUEL CELLS CO LTD	CN20111379888 20111125	H01M8/24; H01M8/02	Fuel cell electric stack and method for preventing short circuit of polar plates in fuel cell electric stack
US2012148879 A1 20120614	RICH DAVID GERARD [CA]; WINGER LYALL KENNETH [CA]	US20100963999 20101209	H01M16/00; H01M8/04	FUEL CELL ELECTRICAL POWER SOURCE FOR A PORTABLE ELECTRONIC DEVICE W
CA2760711 A1 20120609	RESEARCH IN MOTION LTD [CA]	EP20100194351 20101209	H01M8/04; H05K7/20	FUEL CELL ELECTRICAL POWER SOURCE FOR PORTABLE ELECTRONIC DEVICE WIT
CN102473950 A 20120523	PANASONIC CORP [JP]	WO2011JP01622 20110318; JP20100062633 20100318	H01M8/04; C01B3/38; H01M8/06; H01M8/10	Fuel cell electricity generation system and shut-down method for fuel cell electricity generation system
JP2012514287 A 20120621		JP	H01M4/86; B01J23/644	FUEL CELL ELECTROCATALYST
US2012141919 A1 20120607	HYUNDAI MOTOR CO LTD [KR]	KR20100122013 20101202	H01M4/92; H01M4/88; H01M8/10	FUEL CELL ELECTRODE AND METHOD FOR MANUFACTURING MEMBRANE-ELECTRODE

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US2012040270 A1 20120216	CATALER CORP AND TOYOTA JIDOSHA KABUSHIKI KAISHA	US201113283223 20111027; JP20060092755 20060330; US20080294601 20080925; WO2007JP57629 20070329	H01M4/86; H01M8/10	FUEL CELL ELECTRODE CATALYST WITH REDUCED NOBLE METAL AMOUNT AND SOLID POLYMER FUEL CELL COMPRISING THE SAME
JP4870230B2 B2 20120208		JP20080259414 20081006; WO2009JP67385 20091006; JP20100532915 20091006	H01M4/88; C01B21/082; H01M4/86; H01M4/90; H01M8/10	FUEL CELL ELECTRODE MANUFACTURING METHOD AND USES THEREOF
US2012082917 A1 20120405	GM GLOBAL TECH OPERATIONS INC [US]	US20100896981 20101004	H01M4/86; B05D5/12; H01M4/88; H01M8/10	FUEL CELL ELECTRODES WITH GRADED PROPERTIES AND METHOD OF MAKING
JP2012089308 A 20120510	HONDA MOTOR CO LTD [JP]	JP20100233907 20101018	H01M8/02; H01M4/88; H01M8/10	FUEL CELL ELECTROLYTE MEMBRANE AND ELECTRODE STRUCTURE MANUFACTURING
JP2012038619 A 20120223	DAINIPPON PRINTING CO LTD [JP]; KANEKA CORP	JP20100178669 20100809	H01M8/02; H01B1/06; H01B13/00; H01M8/10	FUEL CELL ELECTROLYTE MEMBRANE AND METHOD FOR PRODUCING THE SAME, AND FUEL CELL CATALYST LAYER-ELECTROLYTE MEMBRANE LAMINATE, FUEL CELL MEMBRANE-ELECTRODE ASSEMBLY AND FUEL CELL
EP2424026 A1 20120229	AISIN SEIKI [JP]	JP20100194839 20100831	H01M8/10	Fuel cell electrolyte membrane, membrane electrode assembly, fuel cell and method of manufacturing fuel cell electrolyte membrane
JP2012074207 A 20120412	NIPPON CATALYTIC CHEM IND [JP]	JP20100217364 20100928	H01M8/02; H01B13/00; H01M8/10	FUEL CELL ELECTROLYTE SHEET MANUFACTURING METHOD

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JP2012003922 A 20120105	YOKOGAWA ELECTRIC CORP [JP]	JP20100137150 20100616	H01M8/04; G01R27/02	FUEL CELL EVALUATION DEVICE AND FUEL CELL EVALUATION METHOD
US2012003560 A1 20120105	MEYERS JEREMY P [US]; PERRY MICHAEL L [US]; REISER CARL A [US]; CIPOLLINI NED E [US]; SCHMIDT WAYDE R [US]; KRISHNAN GOPAL R [US]; TRELA JOHN A [US]; DARLING ROBERT MASON [US]	US	H01M8/04; H01M2/08	FUEL CELL FOR MOISTURE MANAGEMENT AT GAS INLETS
USRE43219E E1 20120228	TOYOTA MOTOR CO LTD [JP]	US20020984297 20021204; JP20000171345 20000608; US20020296232 20021204; WO2001JP04379 20010524	H01M8/04; B60K1/04; B60K15/00; B60K15/04; B60L3/00; B60L11/18; C01B3/00; H01M8/10	Fuel cell fuel supply system and mobile body
JP2012016877 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100155407 20100708	B29C45/14; B29C33/10; B29C45/26; H01M8/02	FUEL CELL GASKET MOLDING DIE
KR20120056990 A 20120605		KR20100118515 20101126	H01M8/02; H01M4/86; H01M8/10	Fuel cell having heating gas diffusion layer

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US2012028154 A1 20120202	GM GLOBAL TECH OPERATIONS INC [US]	US20100843943 20100727	H01M8/04	FUEL CELL HAVING IMPROVED THERMAL CHARACTERISTICS
CN102509808 A 20120620	CERES IP CO LTD [GB]	GB20060021784 20061101; GB20070011108 20070608; US20060869715P 20061	H01M8/04; H01M8/02; H01M8/06	Fuel cell heat exchange systems and methods
CN102318114 A 20120111	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04; G01N27/02	Fuel cell hydrogen concentration estimation device and fuel cell system
DE102010033772 A1 20120209	DAIMLER AG [DE]	DE201010033772 20100809	H01M8/04	Fuel cell i.e. polymer electrolyte membrane fuel cell, system for generating electrical drive energy in e.g. car, has heat exchanger with three regions, where supply air stream, exhaust air stream and coolant flow through respective regions
CN202171511U U 20120321	UNIV BEIJING TECHNOLOGY	CN20112042213U 20110218	G01K7/02; G01N25/20; H01M8/04	Fuel cell internal transient heat-flow density distribution measurement inserting piece
CN202109997U U 20120111	Beijing University of Technology	CN20112041597U 20110218	G01K7/02; H01M8/04	Fuel cell internal transient temperature distribution sensor
EP2424019 A1 20120229	TORAY INDUSTRIES [JP]	EP20050809174 20051124; JP20040353914 20041207; JP20050253178 20050901	H01M8/02; H01M8/04; H01M8/10	Fuel cell membrane electrode assembly
US2012141907 A1 20120607	UNIV KING FAHD PET & MINERALS [SA]	US201213342919 20120103	H01M4/92; H01M8/10	FUEL CELL MEMBRANE ELECTRODE ASSEMBLY

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CN102318121 A 20120111	3M INNOVATIVE PROPERTIES CO [US]	WO2009US69087 20091222; US20080139925P 20081222	H01M8/10; H01M4/86; H01M4/88	FUEL CELL MEMBRANE ELECTRODE ASSEMBLY WITH MULTILAYER CATHODE
CN102522576 A 20120627	Shandong Dongyue Polymer Material Co., Ltd.	CN20111438865 20111224	H01M8/02; C08J5/18; C08K5/3432; C08K5/3437; C08L27/18; C08L29/10	Fuel cell membrane with high tolerance and its preparation method
US2012045708 A1 20120223	HONDA MOTOR CO LTD [JP]	JP20090108051 20090427; WO2010JP56993 20100420	H01M8/24; H01M8/04	FUEL CELL MODULE
US2012045703 A1 20120223	HONDA MOTOR CO LTD [JP]	JP20090108042 20090427; WO2010JP56991 20100420	H01M8/24; H01M8/06	FUEL CELL MODULE
US2012045702 A1 20120223	HONDA MOTOR CO LTD [JP]	JP20090097150 20090413; WO2010JP56439 20100409	H01M8/24; H01M8/06	FUEL CELL MODULE
CA2756905 A1 20120602	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/24; H01M2/18	FUEL CELL MODULE
US2012040266 A1 20120216	YI JEONG-DOO [KR]	KR20100077031 20100810	H01M8/24	FUEL CELL MODULE
JP4957545B2 B2 20120620		JP20050029667 20050204; WO2006JP302308 20060203; JP20070501696 20060	H01M8/02; H01M8/24	Fuel Cell Module and Fuel Cell Comprising Fuel Cell Module

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JP2012123951 A 20120628	TDK CORP	JP20100272019 20101206	H01M8/04; H01M8/00; H01M8/12; H01M8/24	FUEL CELL MODULE AND FUEL CELL POWER GENERATION SYSTEM
KR20120036626 A 20120418	SAMSUNG HEAVY IND [KR]	KR20100098400 20101008	H01M8/24; B63H19/00; H01M2/30; H01M8/04	FUEL CELL MODULE AND FUEL CELL VESSEL HAVING THE SAME
KR20120047008 A 20120511	SAMSUNG SDI CO LTD [KR]	KR20100108622 20101103	H01M8/12; H01M8/02; H01M8/24	FUEL CELL MODULE AND MANUFACTURING METHOD OF THE SAME
US2012040275 A1 20120216	SAMSUNG SDI CO LTD [KR]	KR20100077306 20100811	H01M4/66; H01M8/00	Fuel Cell Module and Manufacturing Method Thereof
EP2456000 A1 20120523	SAMSUNG SDI CO LTD [KR]	KR20100115664 20101119	H01M8/02	Fuel cell module with combined current collector
CN102347503 A 20120208	Nan Ya PCB Corporation	CN20101239937 20100726	H01M8/10; H01M8/22	Fuel cell module with sealing structure
WO2012071942 A1 20120607	SUNRISE POWER CO LTD [CN]; HOU ZHONGJUN [CN]; WANG KEYONG [CN]; WANG RENFANG [CN]; YAN XIQIANG [CN]; LV PING [CN]	CN20101566184 20101130	H01M8/04	FUEL CELL MODULE WITH WATER AND THERMAL MANAGEMENT FUNCTION
WO2012072538 A1 20120607	SOLVAY SPECIALTY POLYMERS ITALY S P A [IT]; ARCELLA VINCENZO [IT]	EP20100193703 20101203	H01M8/10; H01M8/02	FUEL CELL MODULES
JP2012018761 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100153620 20100706	H01M8/00; B60L11/18; H01M8/04;	FUEL CELL MOUNTING STRUCTURE

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			H01M8/24	
JP2012501062 A 20120112		US20080091643P 20080825; WO2009US54829 20090825	H01M4/86; B01J23/89; B82Y30/00; H01M4/92	FUEL CELL NANOCATALYST WITH VOLTAGE REVERSAL TOLERANCE
JP4868557B2 B2 20120201		JP20090219911 20090925; WO2010JP64297 20100824; JP20110532944 20100824	H01M4/86; H01M8/02; H01M8/12	FUEL CELL OF SOLID OXIDE FUEL CELL
WO2012063300 A1 20120518	TOYOTA MOTOR CO LTD [JP]; KANEKO TOMOHIKO [JP]	JP	H01M8/04; B60L11/18	FUEL CELL OUTPUT CONTROL DEVICE
CN102468491 A 20120523	GM GLOBAL TECH OPERATIONS INC [US]	US20100949228 20101118	H01M4/86; H01M8/24	Fuel cell plate features to resolve differences in component tolerances
EP2421078 A2 20120222	BOEING CO [US]	US20100859976 20100820	H01M8/00; H01M8/04; H01M8/06; H01M8/22	Fuel cell power and water generation
JP2012119201 A 20120621	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100268932 20101202	H01M8/04; H01M8/06	FUEL CELL POWER GENERATING SYSTEM, AND LEAKAGE DETECTING METHOD OF THE SAME
JP2012038688 A 20120223	FUJI ELECTRIC CO LTD	JP20100180461 20100811	H01M8/04; H01M8/00; H01M8/06; H01M8/10	FUEL CELL POWER GENERATION DEVICE

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JP2012059558 A 20120322	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100201822 20100909	H01M8/24	FUEL CELL POWER GENERATION DEVICE
JP2012064417 A 20120329	FUJI ELECTRIC CO LTD	JP20100207227 20100915	H01M8/04; H01M8/06	FUEL CELL POWER GENERATION DEVICE AND OPERATION METHOD THEREOF
KR20120067785 A 20120626	DAEWOO SHIPBUILDING & MARINE [KR]	KR20100129358 20101216	B63J3/00; B63H21/38; H01M8/04; H01M8/06	FUEL CELL POWER GENERATION FOR A SHIP
JP2012064413 A 20120329	FUJI ELECTRIC CO LTD	JP20100207139 20100915	H01M8/04	FUEL CELL POWER GENERATION SYSTEM
JP2012022968 A 20120202	mitsubishi heavy ind LTD [JP]	JP20100161650 20100716	H01M8/04; H01M8/06; H01M8/10	FUEL CELL POWER GENERATION SYSTEM
JP2012084285 A 20120426	MITSUBISHI HEAVY IND LTD [JP]	JP20100228041 20101008	H01M8/04	FUEL CELL POWER GENERATION SYSTEM
JP2012084284 A 20120426	MITSUBISHI HEAVY IND LTD [JP]	JP20100228040 20101008	H01M8/04; H01M8/10	FUEL CELL POWER GENERATION SYSTEM
JP2012104384 A 20120531	OSAKA GAS CO LTD	JP20100252182 20101110	H01M8/06; C01B3/38; C01B3/48	FUEL CELL POWER GENERATION SYSTEM
JP2012104321 A 20120531	OSAKA GAS CO LTD	JP20100250812 20101109	H01M8/06; H01M8/04; H01M8/10	FUEL CELL POWER GENERATION SYSTEM
EP2421079 A1 20120222	PANASONIC CORP [JP]	WO2010JP01066 20100218; JP20090096860 20090413	H01M8/04; C01B3/38	FUEL CELL POWER GENERATION SYSTEM

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JP2012059614 A 20120322	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100203249 20100910	H01M8/04	FUEL CELL POWER GENERATION SYSTEM AND CONTROL METHOD THEREOF
WO2012017961 A1 20120209	TOSHIBA KK [JP]; TOSHIBA FUEL CELL POWER SYS [JP]; ARAI YASUHIRO [JP]; SHINOHARA TAKAYUKI [JP]; UDAGAWA JUN [JP]; TONOKI KENZO [JP]; TOGASHI NORIHITO [JP]	JP20110160796 20110722; JP20100286349 20101222; JP20100175640 20100804	F17D1/02; H01M8/04; H01M8/06	FUEL CELL POWER GENERATION SYSTEM AND MANUFACTURING METHOD THEREOF
US2012107708 A1 20120503	TAKAHASHI SHIN [JP]; TOKOI HIROMI [JP]; GUNJI AKIRA [JP]; ABE TOSHIY	US201213343847 20120105; JP20060267561 20060929; US20070835454 20070	H01M8/04; H01M8/06	FUEL CELL POWER GENERATION SYSTEM AND METHOD OF OPERATING THEREOF
JP2012054171 A 20120315	PANASONIC CORP [JP]	JP20100197292 20100903	H01M8/04	FUEL CELL POWER GENERATION SYSTEM AND OPERATION METHOD THEREOF
JP2012009175 A 20120112	TOSHIBA CORP [JP]; TOSHIBA FUEL CELL SYSTEMS CORP	JP20100141787 20100622	H01M8/04	FUEL CELL POWER GENERATION SYSTEM AND OPERATION METHOD THEREOF
JP2012094438 A 20120517	UNIV NAGAOKA TECHNOLOGY; NIPPON PILLAR PACKING	JP20100242389 20101028	H01M8/04; H01M4/86; H01M8/02; H01M8/10	FUEL CELL POWER GENERATION SYSTEM AND POLYMER ELECTROLYTE FUEL CELL

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JP2012124179 A 20120628	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20060077012 20060320; JP20120039319 20120224	H01M8/04	FUEL CELL POWER GENERATION SYSTEM AND STARTUP METHOD AND STARTUP PROGRAM THEREOF, AS WELL AS PERFORMANCE RECOVERY METHOD AND PERFORMANCE RECOVERY PROGRAM
JP4884773B2 B2 20120229		JP20030288706 20030807; WO2004JP11113 20040728; JP20050512931 20040728	H01M8/04; H01M8/06	Fuel cell power generation system
JP2012109066 A 20120607	PANASONIC CORP [JP]	JP20100255497 20101116	H01M8/06; H01M8/04	FUEL CELL POWER GENERATION SYSTEM
JP2012109064 A 20120607	PANASONIC CORP [JP]	JP20100255495 20101116	H01M8/04	FUEL CELL POWER GENERATION SYSTEM
JP2012104297 A 20120531	TOSHIBA CORP [JP]; TOSHIBA FUEL CELL SYSTEMS CORP	JP20100250384 20101109	H01M8/04; C01B3/38; C01B3/48; H01M8/06	FUEL CELL POWER GENERATION SYSTEM, AND METHOD FOR STARTING THE SAME
JP2012059659 A 20120322	PANASONIC CORP [JP]	JP20100204165 20100913	H01M8/04; H01M8/06	FUEL CELL POWER GENERATOR
JP2012074385 A 20120412	NISSAN MOTOR [JP]	JP20050205509 20050714; JP20110245067 20111109	H01M8/04; H01M8/00	FUEL CELL POWER PLANT AND CONTROL THEREOF
WO2012078123 A1 20120614	UTC POWER CORP [US]; PATTERSON TIMOTHY [US]; BADRINARAYANAN PARAVAST	US	H01M8/04	FUEL CELL POWER PLANT OPERATING SYSTEM AND METHOD FOR USE IN SUB-FRE

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TW201220587 A 20120516	UNIV NAT KAOHSIUNG 1ST UNIV SC [TW]	TW20100138668 20101110	H01M8/06; H02J7/00	Fuel cell power supply control system
WO2012005810 A1 20120112	APPLE INC [US]; SPARE BRADLEY L [US]; IYER VIJAY M [US]; LEE JEAN L [US]; TICE GREGORY L [US]; HILLMAN MICHAEL D [US]; SIMON DAVID I [US]	US20100849558 20100803; US20100355393P 20100616	H01M8/00; H01M8/04	FUEL CELL POWERED PORTABLE COMPUTING DEVICE WITH BIDIRECTIONAL COMMUNICATION LINK THERE BETWEEN
US2012100463 A1 20120426	TOYOTA MOTOR CO LTD [JP]	JP20100235600 20101020	H01M8/00	FUEL CELL PRODUCTION METHOD
US2012107714 A1 20120503	DAY MICHAEL J [US]; SWARTZ SCOTT L [US]; ARKENBERG GENE B [US]	US201113237902 20110920; US20100384545P 20100920	H01M8/24; H01M8/04; H01M8/10	FUEL CELL REPEAT UNIT AND FUEL CELL STACK
JP2012506613 A 20120315		US	H01M8/02; H01M8/24	FUEL CELL SEAL
KR20120036888 A 20120418	NOK CORP [JP]	JP20090146713 20090619	H01M8/02; H01M8/10	FUEL CELL SEALING STRUCTURE
US2012077111 A1 20120329	NISSHINBO CHEMICAL INC [JP]	JP20090173144 20090724; WO2010JP62332 20100722	H01M8/04	FUEL CELL SEPARATOR
WO2012032922 A1 20120315	NISSHINBO CHEMICAL INC [JP]; TANNO FUMIO [JP]	JP20100202846 20100910	H01M8/02	FUEL CELL SEPARATOR

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JP2012043574 A 20120301	SANYO SPECIAL STEEL CO LTD	JP20100182212 20100817	H01M8/02	FUEL CELL SEPARATOR
EP2405515 A1 20120111	PANASONIC CORP [JP]	WO2010JP01314 20100226; JP20090050063 20090304	H01M8/02; H01M8/10; H01M8/24	FUEL CELL SEPARATOR AND FUEL CELL INCLUDING SAME
JP2012079640 A 20120419	TOYOTA MOTOR CORP [JP]; NIPPON SOKEN [JP]	JP20100226255 20101006	H01M8/02; H01M8/10; H01M8/24	FUEL CELL SEPARATOR AND FUEL CELL USING THE SAME
JP2012079614 A 20120419	DAINIPPON PRINTING CO LTD [JP]	JP20100225416 20101005	H01M8/02; B22F1/00	FUEL CELL SEPARATOR AND METHOD FOR MANUFACTURING THE SAME
WO2012053431 A1 20120426	NEOMAX MATERIALS CO LTD [JP]; YOKOTA MASAYUKI [JP]	JP20100235262 20101020	H01M8/02	FUEL CELL SEPARATOR AND METHOD FOR PRODUCING SAME
WO2012060245 A1 20120510	NIPPON LIGHT METAL CO [JP]; KAWAMURA YOSUKE [JP]; HATAZAWA YOSHIYUKI	JP20100248910 20101105	H01M8/02	FUEL CELL SEPARATOR AND METHOD FOR PRODUCING SAME
US2012122018 A1 20120517	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100114639 20101117	H01M8/04; B05C11/00; C23C16/448; C23C16/50; C23C16/503; H01M8/00	FUEL CELL SEPARATOR AND METHOD FOR SURFACE TREATMENT OF THE SAME

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KR20120021797 A 20120309	ELPANI CO LTD [KR]	KR20100079482 20100817	H01M8/02; C08G73/02; H01B1/12; H01M8/10	FUEL CELL SEPARATOR HAVING HIGH ANTI-CORROSION AND LOW SURFACE RESISTANCE, METHOD FOR MANUFACTURING THE SAME, AND FUEL CELL INCLUDING THE SAME
US2012009496 A1 20120112	JX NIPPON MINING & METALS CORP [JP]	JP20080323513 20081219; WO2009JP70648 20091210	H01M8/04; B05D5/12; H01M2/16; H01M8/24	FUEL CELL SEPARATOR MATERIAL, FUEL CELL SEPARATOR USING SAME, FUEL CELL STACK, AND METHOD FOR PRODUCING FUEL CELL SEPARATOR MATERIAL
US2012129073 A1 20120524	GM GLOBAL TECH OPERATIONS INC [US]	US20100952678 20101123	H01M8/24	FUEL CELL SEPARATOR PLATE
WO2012023959 A1 20120223	UTC POWER CORP [US]; LUOMA WARREN L [US]; ROCHE ROBERT P [US]; BREAULT RICHARD D [US]; KANURI SRIDHAR V [US]; TENNETI KISHORE KUMAR [US]	US20100856732 20100816	H01M8/02; C08J5/18; H01M8/10	FUEL CELL SEPARATOR PLATE
US2012122009 A1 20120517	HYUNDAI MOTOR CO LTD [KR]	KR20100114717 20101117	H01M8/24; B32B38/00; H01M2/14	FUEL CELL SEPARATOR WITH GASKET AND METHOD FOR MANUFACTURING THE SAM
US2012034543 A1 20120209	KOZU KATSUMI [JP]; AKIYAMA TAKASHI [JP]	JP20100175952 20100805	H01M8/04; H01M8/24	FUEL CELL SEPARATOR, AND FUEL CELL STACK AND FUEL CELL SYSTEM USING SAME
KR20120056597 A 20120604		KR20100118218 20101125	H01M8/04; B60L11/18; F25B21/02; H01M8/24	FUEL CELL STACK

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KR20120056596 A 20120604		KR20100118217 20101125	H01M8/24; H01M8/10	FUEL CELL STACK
US2012122007 A1 20120517	EZELLERON GMBH [DE]	DE200910034032 20090716; WO2010EP04356 20100716	H01M8/24; H01M8/04	FUEL CELL STACK
JP2012018859 A 20120126	HONDA MOTOR CO LTD [JP]	JP20100156394 20100709	H01M8/04; H01M8/02; H01M8/24	FUEL CELL STACK
JP2012018835 A 20120126	HONDA MOTOR CO LTD [JP]	JP20100155977 20100708	H01M8/24; H01M8/04; H01M8/06	FUEL CELL STACK
JP2012038467 A 20120223	HONDA MOTOR CO LTD [JP]	JP20100175587 20100804	H01M8/04; H01M8/24	FUEL CELL STACK
JP2012028194 A 20120209	HONDA MOTOR CO LTD [JP]	JP20100166650 20100726	H01M8/24; H01M8/10	FUEL CELL STACK
JP2012059563 A 20120322	HONDA MOTOR CO LTD [JP]	JP20100201949 20100909	H01M8/24	FUEL CELL STACK
JP2012049147 A 20120308	HONDA MOTOR CO LTD [JP]	JP20110239610 20111031	H01M8/24	FUEL CELL STACK
JP2012054125 A 20120315	HONDA MOTOR CO LTD [JP]	JP20100196347 20100902	H01M8/24	FUEL CELL STACK
JP2012054124 A 20120315	HONDA MOTOR CO LTD [JP]	JP20100196346 20100902	H01M8/24	FUEL CELL STACK
JP2012043553 A 20120301	HONDA MOTOR CO LTD [JP]	JP20100181334 20100813	H01M8/24; H01M8/02	FUEL CELL STACK
EP2433328 A1 20120328	HONDA MOTOR CO LTD [JP]	WO2010JP65364 20100901; JP20090207305 20090908	H01M8/24; H01M8/02	FUEL CELL STACK

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US2012058411 A1 20120308	HONDA MOTOR CO LTD [JP]	JP20100196345 20100902	H01M8/24; H01M2/30; H01M8/10	FUEL CELL STACK
WO2012073640 A1 20120607	HONDA MOTOR CO LTD [JP]; HOMMA HIROKI [JP]	JP20100267952 20101201	H01M8/12; H01M8/02; H01M8/24	FUEL CELL STACK
WO2012081322 A1 20120621	HONDA MOTOR CO LTD [JP]; SHINOHARA MASASHI [JP]	JP20100278726 20101215	H01M8/04; H01M8/02; H01M8/12; H01M8/24	FUEL CELL STACK
KR20120063821 A 20120618	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100124969 20101208	H01M8/24; H01M8/04	FUEL CELL STACK
JP2012059383 A 20120322	NISSAN MOTOR [JP]	JP20100198558 20100906	H01M8/24	FUEL CELL STACK
WO2012086344 A1 20120628	NISSAN MOTOR [JP]; ICHIHARA KEIJI; NUMAO YASUHIRO; UEHARA SIGETAKA	JP20100284245 20101221; JP20100284249 20101221	H01M8/24	FUEL CELL STACK
KR20120024163 A 20120314	SAMSUNG HEAVY IND [KR]	KR20100086903 20100906	H01M8/24; H01M8/04	FUEL CELL STACK
JP2012099348 A 20120524	SHARP KK [JP]	JP20100246276 20101102	H01M8/24; H01M8/02; H01M8/10	FUEL CELL STACK
JP2012004001 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100138992 20100618	H01M8/02; H01M8/10; H01M8/24	FUEL CELL STACK
JP2012003936 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100137754 20100616	H01M8/24; H01M8/02	FUEL CELL STACK
JP2012064540 A 20120329	TOYOTA MOTOR CO LTD [JP]	JP20100209919 20100917	H01M8/02; H01M8/10	FUEL CELL STACK

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CA2735662 A1 20120322	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/24	FUEL CELL STACK
KR20120068748 A 20120627	TOYOTA MOTOR CO LTD [JP]	KR20117005943 20100922	H01M8/24; H01M8/04; H01M8/10	FUEL CELL STACK
CN102456906 A 20120516	YOUNG GREEN ENERGY CO [TW]	CN20101525831 20101027	H01M8/24; H01M8/02	Fuel cell stack
JP2012059380 A 20120322	NISSAN MOTOR [JP]	JP20100198522 20100906	H01M8/24; H01M8/02	FUEL CELL STACK AND DEFORMATION ABSORBING MEMBER USED IN FUEL CELL STACK
US2012034541 A1 20120209	MURAOKA MASASHI [JP]; FUJITA TOSHIYUKI [JP]; YOSHIE TOMOHISA [JP]; KAMBARA HIRONORI [JP]	JP20090089295 20090401; WO2010JP55932 20100331	H01M8/24; H01M8/02	FUEL CELL STACK AND ELECTRONIC DEVICE PROVIDED WITH THE SAME
EP2424027 A1 20120229	PANASONIC CORP [JP]	WO2010JP02840 20100420; JP20090103887 20090422	H01M8/24; H01M8/04; H01M8/10	FUEL CELL STACK AND FUEL CELL COGENERATION SYSTEM EQUIPPED WITH FUEL CELL STACK
KR20120025142 A 20120315	SAMSUNG HEAVY IND [KR]	KR20100087339 20100907	H01M8/24; F25D17/00; H01M8/04	FUEL CELL STACK AND ITS COOLING METHOD
JP2012069333 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100212139 20100922	H01M8/04; H01M8/02; H01M8/24	FUEL CELL STACK AND OPERATION METHOD
KR20120026877 A 20120320	HYUNDAI MOTOR CO LTD [KR]	KR20100089052 20100910	H01M8/24; B60L11/18; H01M8/10; H02G5/00	FUEL CELL STACK ASSEMBLY

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KR20120051556 A 20120522	HYUNDAI MOTOR CO LTD [KR]	KR20100113044 20101112	H01M8/04; G05D7/00; H01M8/10	FUEL CELL STACK BEING CAPABLE OF CONTROLLING COOLING WATER FLOW OF E
US2012115062 A1 20120510	BLOOM ENERGY CORP [US]	US201113339860 20111229; US20080010884 20080130; US20070887398P 2007	H01M8/24	FUEL CELL STACK COMPONENTS
CN202134613U U 20120201	SHANGHAI SHENLI HIGH TECH CO	CN20112183490U 20110601	H01M8/24; H01M2/08; H01M4/86; H01M8/04	Fuel cell stack externally provided with cooling fluid passages
US2012021322 A1 20120126	FORD GLOBAL TECH LLC [US]	US201113248543 20110929; US20070839838 20070816	H01M8/04	FUEL CELL STACK FLOW DIVERSION
DE102010049839 A1 20120503	DAIMLER AG [DE]	DE201010049839 20101027	H01M8/02	Fuel cell stack for vehicle, has recess that is formed in side wall
KR20120046658 A 20120510	HYUNDAI MOTOR CO LTD [KR]	KR20100108450 20101102	H01M8/02; B60L11/18; H01M8/10; H01M8/24	FUEL CELL STACK HAVING HIGH-INSULATING
US2012021326 A1 20120126	HONDA MOTOR CO LTD [JP]	JP20100166650 20100726; JP20100181334 20100813	H01M8/24	FUEL CELL STACK HAVING TIGHTENING MEMBERS
US2012077108 A1 20120329	HYUNDAI MOTOR CO LTD [KR]	KR20100094801 20100929	H01M8/04; H01M8/24	FUEL CELL STACK STRUCTURE
KR20120046444 A 20120510	HYUNDAI MOTOR CO LTD [KR]	KR20100108090 20101102	H01M8/24; B60L11/18; H01M8/02	FUEL CELL STACK STRUCTURE

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CN102487149 A 20120606	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100122439 20101203	H01M8/24; H01M8/02	Fuel cell stack with enhanced freeze-thaw durability
US2012077105 A1 20120329	HYUNDAI MOTOR CO LTD [KR]	KR20100094005 20100929	H01M8/24; H01M8/04; H01M10/50	FUEL CELL STACK WITH IMPROVED TEMPERATURE UNIFORMITY
US2012121997 A1 20120517	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100114180 20101117	H01M8/06	FUEL CELL STACK WITH WATER DRAINAGE STRUCTURE
JP4932831B2 B2 20120516		JP20060129257 20060508; WO2007JP59330 20070501; JP20080514469 200705	H01M8/24; H01M8/04	FUEL CELL STACK, FUEL CELL SYSTEM, AND FUEL CELL SYSTEM OPERATION METHOD
JP4888728B2 B2 20120229		JP20050026930 20050202; WO2006JP302218 20060202; JP20070501688 20060202	H01M8/24	Fuel Cell Stack, Installation Structure Of Fuel Cell Stack, Method Of Transporting Fuel Cell Stack, And Method Of Mounting Fuel Cell Stack On Vehicle
WO2012008385 A1 20120119	NGK INSULATORS LTD [JP]; OHMORI MAKOTO [JP]; RYU TAKASHI [JP]; KUNO TOSHIKI [JP]; OTAGIRI TADASHI [JP]	JP20100214705 20100927; JP20100160503 20100715	H01M8/24; H01M8/02	FUEL CELL STRUCTURAL BODY

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JP2012038696 A 20120223	NGK INSULATORS LTD [JP]	JP20100160503 20100715; JP20100214707 20100927	H01M8/02; H01M4/86; H01M8/12; H01M8/24	FUEL CELL STRUCTURE
JP2012043780 A 20120301	NGK INSULATORS LTD [JP]	JP20100165502 20100723; JP20110151497 20110708	H01M8/02; H01M8/12; H01M8/24	FUEL CELL STRUCTURE
JP2012043779 A 20120301	NGK INSULATORS LTD [JP]	JP20100165499 20100723; JP20110151496 20110708	H01M8/24; H01M8/02; H01M8/12	FUEL CELL STRUCTURE
EP2426764 A2 20120307	BIC SOC [FR]	EP20040811878 20041124; US20030725237 20031201	H01M8/02; H01M8/04; H01M8/06; H01M8/10; H01M8/12; H01M16/00	Fuel cell supply including information storage device and control system
KR101107221B B1 20120125	AGENCY DEFENSE DEV [KR]	KR20110127827 20111201	H01M8/04; C01B3/02; H01M8/06	FUEL CELL SYSTEM
JP2012089409 A 20120510	AISIN SEIKI [JP]	JP20100236489 20101021	H01M8/04; F16K31/126	FUEL CELL SYSTEM
EP2466676 A1 20120620	AISIN SEIKI [JP]; TOYOTA MOTOR CO LTD [JP]	JP20100282896 20101220	H01M8/04; H01M8/06; H01M8/24	Fuel cell system
EP2466677 A1 20120620	AISIN SEIKI [JP]; TOYOTA MOTOR CO LTD [JP]	JP20100282961 20101220	H01M8/06; H01M8/04	Fuel cell system
JP2012038502 A 20120223	AISIN SEIKI [JP]; TOYOTA MOTOR CORP [JP]	JP20100176258 20100805	H01M8/04; H01M8/06	FUEL CELL SYSTEM

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JP2012028182 A 20120209	AISIN SEIKI [JP]; TOYOTA MOTOR CORP [JP]	JP20100166003 20100723	H01M8/04	FUEL CELL SYSTEM
JP2012028165 A 20120209	AISIN SEIKI [JP]; TOYOTA MOTOR CORP [JP]	JP20100165546 20100723	H01M8/04	FUEL CELL SYSTEM
JP2012038538 A 20120223	AISIN SEIKI [JP]; TOYOTA MOTOR CORP [JP]	JP20100176995 20100806	H01M8/06; H01M8/04	FUEL CELL SYSTEM
WO2012082747 A1 20120621	BIC SOC [FR]; ROSENZWEIG ALAIN [FR]; RATH KURT [FR]; CURELLO ANDREW J [US]	US20100422934P 20101214	H01M8/04	FUEL CELL SYSTEM
JP2012099255 A 20120524	DAIHATSU MOTOR CO LTD [JP]	JP20100243990 20101029	H01M8/04	FUEL CELL SYSTEM
WO2012034636 A1 20120322	DAIMLER AG [DE]; MAZZOTTA COSIMO [DE]	DE201010046012 20100918	H01M8/04	FUEL CELL SYSTEM
JP2012038474 A 20120223	ENEOS CELLTECH CO LTD [JP]	JP20100175705 20100804	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012038687 A 20120223	ENEOS CELLTECH CO LTD [JP]	JP20100180362 20100811	H01M8/04	FUEL CELL SYSTEM
JP2012059412 A 20120322	ENEOS CELLTECH CO LTD [JP]	JP20100199160 20100906	H01M8/06; H01M8/04	FUEL CELL SYSTEM

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EP2427930 A1 20120314	FRAUNHOFER GES FORSCHUNG [DE]	WO2010EP03040 20100510; DE200910021057 20090508; DE200910022946 20090522	H01M8/02; H01M8/04; H01M8/24	FUEL CELL SYSTEM
CN102308421 A 20120104	Fuelcell Power Inc	WO2010KR00324 20100118; KR20090010294 20090209	H01M8/04; H01M8/24	Fuel cell system
JP2012074329 A 20120412	HITACHI LTD [JP]	JP20100220238 20100930	H01M8/04; H01M8/00	FUEL CELL SYSTEM
JP2012015120 A 20120119	HONDA MOTOR CO LTD [JP]	JP20030073503 20030318; JP20110186576 20110829	H01M8/04	FUEL CELL SYSTEM
JP2012003890 A 20120105	HONDA MOTOR CO LTD [JP]	JP20100136242 20100615	H01M8/04	FUEL CELL SYSTEM
JP2012003889 A 20120105	HONDA MOTOR CO LTD [JP]	JP20100136240 20100615	H01M8/04	FUEL CELL SYSTEM
US2012015260 A1 20120119	HONDA MOTOR CO LTD [JP]	JP20090088171 20090331; WO2010JP52136 20100215	H01M8/06; H01M8/04; H01M8/24	FUEL CELL SYSTEM
JP2012028221 A 20120209	HONDA MOTOR CO LTD [JP]	JP20100167173 20100726	H01M8/04	FUEL CELL SYSTEM
JP2012009215 A 20120112	HONDA MOTOR CO LTD [JP]	JP20100142695 20100623	H01M8/04	FUEL CELL SYSTEM
JP2012004032 A 20120105	HONDA MOTOR CO LTD [JP]	JP20100139520 20100618	H01M8/04; H01M8/10	FUEL CELL SYSTEM

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JP2012003981 A 20120105	HONDA MOTOR CO LTD [JP]	JP20100138418 20100617	H01M8/04; H01M8/10	FUEL CELL SYSTEM
JP2012059557 A 20120322	HONDA MOTOR CO LTD [JP]	JP20100201813 20100909	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012054110 A 20120315	HONDA MOTOR CO LTD [JP]	JP20100195999 20100901	H01M8/06; H01M8/04	FUEL CELL SYSTEM
US2012064427 A1 20120315	HONDA MOTOR CO LTD [JP]	US201113300115 20111118; JP20080159222 20080618; US20090485136 20090616	H01M8/04	FUEL CELL SYSTEM
EP2438643 A1 20120411	HONDA MOTOR CO LTD [JP]	WO2010JP59161 20100524; JP20090134361 20090603	H01M8/06; H01M8/04; H01M8/24	FUEL CELL SYSTEM
JP2012104409 A 20120531	HONDA MOTOR CO LTD [JP]	JP20100252789 20101111	H01M8/04	FUEL CELL SYSTEM
JP2012104313 A 20120531	HONDA MOTOR CO LTD [JP]	JP20100250691 20101109	H01M8/04	FUEL CELL SYSTEM
JP2012099394 A 20120524	HONDA MOTOR CO LTD [JP]	JP20100247519 20101104	H01M8/04	FUEL CELL SYSTEM
JP2012089284 A 20120510	HONDA MOTOR CO LTD [JP]	JP20100233385 20101018	H01M8/04; H01M8/06	FUEL CELL SYSTEM
EP2454775 A1 20120523	HONDA MOTOR CO LTD [JP]	WO2010JP61220 20100624; JP20090165823 20090714	H01M8/04	FUEL CELL SYSTEM
US2012115055 A1 20120510	HONDA MOTOR CO LTD [JP]	JP20100248658 20101105	H01M8/06	FUEL CELL SYSTEM

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KR20120010662 A 20120206	HYUNDAI HEAVY IND CO LTD [KR]	KR20100071572 20100723	H01M8/04; H01M8/06; H01M8/10; H01M8/12	Fuel Cell System
US2012141890 A1 20120607	HYUNDAI MOTOR CO LTD [KR]	KR20100123049 20101203	H01M8/06	FUEL CELL SYSTEM
KR20120026809 A 20120320	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100088943 20100910	H01M8/04; B60L11/18; H01M8/10	FUEL CELL SYSTEM
TW201220585 A 20120516	IND TECH RES INST [TW]	TW20100137863 20101103	H01M8/04	Fuel cell system
JP2012074197 A 20120412	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20100217170 20100928	H01M8/06; B01J23/78; C01B3/40	FUEL CELL SYSTEM
KR101115333B B1 20120306	KORE INST MACH & AMP MATERIALS [KR]	KR20110044258 20110511	H01M8/04; B01D53/62; F02B77/00; F25J3/00	FUEL CELL SYSTEM
US2012129057 A1 20120524	mitsui masaki [JP]; KIMURA TADAO [JP]; KOZU KATSUMI [JP]	JP20080233203 20080911; WO2009JP04453 20090909	H01M8/04; H01M4/86; H01M8/24	FUEL CELL SYSTEM
JP2012004138 A 20120105	NISSAN MOTOR [JP]	JP20110212345 20110928	H01M8/04; H01M8/00	FUEL CELL SYSTEM
JP2012023054 A 20120202	NISSAN MOTOR [JP]	JP20110214509 20110929	H01M8/04	FUEL CELL SYSTEM
JP2012028233 A 20120209	NISSAN MOTOR [JP]	JP20100167673 20100727	H01M8/04; H01M8/02; H01M8/24	FUEL CELL SYSTEM
JP2012004136 A 20120105	NISSAN MOTOR [JP]	JP20110189576 20110831	H01M8/04	FUEL CELL SYSTEM

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JP2012004135 A 20120105	NISSAN MOTOR [JP]	JP20110189575 20110831	H01M8/04	FUEL CELL SYSTEM
JP2012059449 A 20120322	NISSAN MOTOR [JP]	JP20100199940 20100907	H01M8/04	FUEL CELL SYSTEM
JP2012059429 A 20120322	NISSAN MOTOR [JP]	JP20100199573 20100907	H01M8/04	FUEL CELL SYSTEM
JP2012054249 A 20120315	NISSAN MOTOR [JP]	JP20050172121 20050613; JP20110246307 20111110	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012054153 A 20120315	NISSAN MOTOR [JP]	JP20100196871 20100902	H01M8/04	FUEL CELL SYSTEM
JP2012084537 A 20120426	NISSAN MOTOR [JP]	JP20110279375 20111221	H01M8/04	FUEL CELL SYSTEM
JP2012089523 A 20120510	NISSAN MOTOR [JP]	JP20110288542 20111228	H01M8/04; H01M8/00	FUEL CELL SYSTEM
WO2012036143 A1 20120322	NISSAN MOTOR [JP]; IKEZOE KEIGO; ICHIKAWA YASUSHI	JP20100209824 20100917	H01M8/04	FUEL CELL SYSTEM
WO2012070367 A1 20120531	NISSAN MOTOR [JP]; IKEZOE KEIGO; ICHIKAWA YASUSHI	JP20100260154 20101122	H01M8/04	FUEL CELL SYSTEM
WO2012035974 A1 20120322	NISSAN MOTOR [JP]; KAGAMI FUMIO; FUJII TAKAHIRO	JP20100209062 20100917	H01M8/04	FUEL CELL SYSTEM
WO2012056866 A1 20120503	NISSAN MOTOR [JP]; TAKAICHI SATOSHI; MAKINO SHINICHI	JP20110190503 20110901; JP20100238240 20101025	H01M8/04; H01M8/00	FUEL CELL SYSTEM

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US2012003554 A1 20120105	PANASONIC CORP [JP]	US201113230503 20110912; JP20040323352 20041108; US20070667297 20070508; WO2005JP20448 20051108	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012028159 A 20120209	PANASONIC CORP [JP]	JP20100165469 20100723	H01M8/04; C02F1/00; C02F1/28; C02F1/42; C02F1/50; H01M8/06	FUEL CELL SYSTEM
EP2424024 A1 20120229	PANASONIC CORP [JP]	WO2011JP01744 20110324; JP20100069647 20100325	H01M8/06; C02F1/00; C02F1/28; C02F1/42; C02F9/00; H01M8/04	FUEL CELL SYSTEM
EP2413411 A1 20120201	PANASONIC CORP [JP]	WO2010JP02092 20100324; JP20090078441 20090327	H01M8/04; C01B3/38; H01M8/06; H01M8/10	FUEL CELL SYSTEM
JP2012079605 A 20120419	PANASONIC CORP [JP]	JP20100225334 20101005	H01M8/04	FUEL CELL SYSTEM
JP2012059559 A 20120322	PANASONIC CORP [JP]	JP20100201881 20100909	H01M8/04	FUEL CELL SYSTEM
JP2012059550 A 20120322	PANASONIC CORP [JP]	JP20100201718 20100909	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012059431 A 20120322	PANASONIC CORP [JP]	JP20100199601 20100907	H01M8/04	FUEL CELL SYSTEM

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JP2012054127 A 20120315	PANASONIC CORP [JP]	JP20100196382 20100902	H01M8/04; H01M8/00	FUEL CELL SYSTEM
JP2012043666 A 20120301	PANASONIC CORP [JP]	JP20100184595 20100820	H01M8/04	FUEL CELL SYSTEM
JP2012043566 A 20120301	PANASONIC CORP [JP]	JP20100182032 20100817	H01M8/04; H01M8/00	FUEL CELL SYSTEM
US2012077101 A1 20120329	PANASONIC CORP [JP]	US201113309288 20111201; JP20050043129 20050218; US20070884386 20070815; WO2006JP302479 20060213	H01M8/06	FUEL CELL SYSTEM
EP2432061 A1 20120321	PANASONIC CORP [JP]	WO2010JP03149 20100507; JP20090115414 20090512	H01M8/06; C01B3/38; H01M8/04; H01M8/10	FUEL CELL SYSTEM
EP2432060 A1 20120321	PANASONIC CORP [JP]	WO2010JP03148 20100507; JP20090115413 20090512	H01M8/06; C01B3/38; H01M8/04; H01M8/10	FUEL CELL SYSTEM
JP2012084418 A 20120426	PANASONIC CORP [JP]	JP20100230210 20101013	H01M8/04	FUEL CELL SYSTEM
JP2012084380 A 20120426	PANASONIC CORP [JP]	JP20100229419 20101012	H01M8/04	FUEL CELL SYSTEM
JP2012084241 A 20120426	PANASONIC CORP [JP]	JP20100227091 20101007	H01M8/04; B01D46/10	FUEL CELL SYSTEM
JP2012074303 A 20120412	PANASONIC CORP [JP]	JP20100219607 20100929	H01M8/04; H01M8/06	FUEL CELL SYSTEM

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JP2012069392 A 20120405	PANASONIC CORP [JP]	JP20100213497 20100924	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012094337 A 20120517	PANASONIC CORP [JP]	JP20100239963 20101026	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012089321 A 20120510	PANASONIC CORP [JP]	JP20100234319 20101019	H01M8/00; F24H1/00; H01M8/04	FUEL CELL SYSTEM
JP2012089236 A 20120510	PANASONIC CORP [JP]	JP20100232177 20101015	H01M8/04	FUEL CELL SYSTEM
US2012107703 A1 20120503	PANASONIC CORP [JP]	JP20090161968 20090708; WO2010JP04458 20100708	H01M8/06	FUEL CELL SYSTEM
WO2012023261 A1 20120223	PANASONIC CORP [JP]; HATANO SUSUMU [JP]; YASUDA SHIGEKI [JP]; WAKAMATSU HIDETOSHI	JP20100182031 20100817	H01M8/04; H01M8/06; H01M8/24	FUEL CELL SYSTEM
WO2012032744 A1 20120315	PANASONIC CORP [JP]; TATSUI HIROSHI; TAGUCHI KIYOSHI; SANO HIDEHARU	JP20100202585 20100910	H01M8/06; H01M8/04	FUEL CELL SYSTEM
AU2010318736 A1 20120524	POINT SOURCE POWER INC	US20100871473 20100830; US20090259685P 20091110; WO2010US02406 20100	H01M8/22	Fuel cell system

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JP2012009424 A 20120112	SAMSUNG ELECTRO MECH [KR]	KR20100059616 20100623	H01M8/04; H01M8/00	FUEL CELL SYSTEM
US2012115053 A1 20120510	SAMSUNG SDI CO LTD [KR]	KR20100109847 20101105	H01M8/06	FUEL CELL SYSTEM
WO2012053164 A1 20120426	SANYO ELECTRIC CO [JP]; SUZUKI HIROAKI [JP]; YASUO TAKASHI [JP]	JP20100233719 20101018	H01M8/04	FUEL CELL SYSTEM
JP2012033500 A 20120216	SEIKO INSTR INC [JP]	JP20040270401 20040916; JP20110223348 20111007	H01M8/04	FUEL CELL SYSTEM
JP2012059441 A 20120322	SHARP KK [JP]	JP20100199844 20100907	H01M8/24	FUEL CELL SYSTEM
WO2012029414 A1 20120308	SUZUKI MOTOR CORP [JP]; IKEYA KENGO [JP]	JP20100194192 20100831	H01M8/04; B60K1/00; B60K15/03; H01M8/00	FUEL CELL SYSTEM
US2012034537 A1 20120209	TAMURA YOSHIO [JP]; KUSUMURA KOICHI [JP]	JP20090113239 20090508; WO2010JP03170 20100510	H01M8/06	FUEL CELL SYSTEM
US2012021315 A1 20120126	TAMURA YOSHIO [JP]; TAGUCHI KIYOSHI [JP]; KUSUMURA KOICHI [JP]; YASUDA SHIGEKI [JP]	JP20090085070 20090331; WO2010JP02162 20100326	H01M8/06	FUEL CELL SYSTEM

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JP2012079409 A 20120419	TOTO LTD [JP]	JP20100220432 20100930	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012069390 A 20120405	TOTO LTD [JP]	JP20100213469 20100924	H01M8/06; H01M8/04	FUEL CELL SYSTEM
JP2012028078 A 20120209	TOYOTA BOSHOKU CORP [JP]	JP20100164013 20100721	H01M8/24; H01M8/04	FUEL CELL SYSTEM
JP2012048940 A 20120308	TOYOTA BOSHOKU CORP [JP]	JP20100189309 20100826	H01M8/02; H01M8/10	FUEL CELL SYSTEM
JP2012048939 A 20120308	TOYOTA BOSHOKU CORP [JP]	JP20100189308 20100826	H01M8/06; H01M8/10; H01M8/24	FUEL CELL SYSTEM
CN102460921 A 20120516	TOYOTA JIDOSHOKKI KK [JP]	JP	H02M3/00; B60L11/18; H01M8/04	Fuel cell system
CN102460799 A 20120516	TOYOTA JIDOSHOKKI KK [JP]	JP	H01M8/04; H01M8/00	Fuel cell system
CN102511100 A 20120620	TOYOTA JIDOSHOKKI KK [JP]	JP	H01M8/04; H01M8/10	Fuel cell system
KR20120006969 A 20120119	TOYOTA MOTOR CO LTD [JP]	KR20117015116 20100527	H01M8/04; B60L11/18; H01M8/00	FUEL CELL SYSTEM
JP2012003910 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100136777 20100616	H01M8/04; H01M8/00	FUEL CELL SYSTEM
US2012015272 A1 20120119	TOYOTA MOTOR CO LTD [JP]	JP20090126317 20090526; WO2010JP57461 20100427	H01M8/04	FUEL CELL SYSTEM
US2012015270 A1 20120119	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM
JP2012038455 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100175207 20100804	H01M8/04	FUEL CELL SYSTEM

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JP2012028269 A 20120209	TOYOTA MOTOR CO LTD [JP]	JP20100168586 20100727	H01M8/04; C01B3/04; H01M8/06	FUEL CELL SYSTEM
US2012045705 A1 20120223	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM
CN102356494 A 20120215	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04; H01M4/90; H01M8/10	Fuel cell system
US2012040259 A1 20120216	TOYOTA MOTOR CO LTD [JP]	JP20090098541 20090415; WO2010JP02644 20100412	H01M8/06	FUEL CELL SYSTEM
CA2738530 A1 20120202	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM
US2012021309 A1 20120126	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/06	FUEL CELL SYSTEM
US8092947 B1 20120110	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM
JP2012064587 A 20120329	TOYOTA MOTOR CO LTD [JP]	JP20110233781 20111025	H01M8/04; B60L3/04; B60L11/18; H01M8/00	FUEL CELL SYSTEM
JP2012064486 A 20120329	TOYOTA MOTOR CO LTD [JP]	JP20100208841 20100917	H01M8/04	FUEL CELL SYSTEM
JP2012059611 A 20120322	TOYOTA MOTOR CO LTD [JP]	JP20100203161 20100910	H01M8/04	FUEL CELL SYSTEM
JP2012059606 A 20120322	TOYOTA MOTOR CO LTD [JP]	JP20100203067 20100910	H01M8/02	FUEL CELL SYSTEM
JP2012054119 A 20120315	TOYOTA MOTOR CO LTD [JP]	JP20100196288 20100902	H01M8/04; H01M8/02; H01M8/10	FUEL CELL SYSTEM

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JP2012049007 A 20120308	TOYOTA MOTOR CO LTD [JP]	JP20100190509 20100827	H01M8/02; H01M4/86	FUEL CELL SYSTEM
JP2012043679 A 20120301	TOYOTA MOTOR CO LTD [JP]	JP20100184773 20100820	H01M8/04; H01M8/00	FUEL CELL SYSTEM
US2012058404 A1 20120308	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/06	FUEL CELL SYSTEM
US2012088172 A1 20120412	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM
JP2012094534 A 20120517	TOYOTA MOTOR CO LTD [JP]	JP20120001298 20120106	H01M8/04	FUEL CELL SYSTEM
JP2012099332 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100245827 20101102	H01M8/24; H01M8/04	FUEL CELL SYSTEM
JP2012099237 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100243587 20101029	H01M8/04	FUEL CELL SYSTEM
JP2012094257 A 20120517	TOYOTA MOTOR CO LTD [JP]	JP20100238179 20101025	H01M8/04; H01M8/00	FUEL CELL SYSTEM
KR20120047293 A 20120511	TOYOTA MOTOR CO LTD [JP]	KR20127007150 20091023	H01M8/04; B60L11/18	FUEL CELL SYSTEM
CN102484265 A 20120530	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	Fuel cell system
CN102473943 A 20120523	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	Fuel cell system
CN102473941 A 20120523	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04; H01M8/00; H01M8/10	Fuel cell system
CN102473940 A 20120523	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	Fuel cell system
US2012121941 A1 20120517	TOYOTA MOTOR CO LTD [JP]	JP	H01M2/00; H01M8/04	FUEL CELL SYSTEM
US2012115057 A1 20120510	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM

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CN102449831 A 20120509	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04; B60K1/00; B60K8/00; H01M8/24	Fuel cell system
US2012021321 A1 20120126	YASUDA SHIGEKI [JP]; KUSUMURA KOICHI [JP]; TAGUCHI KIYOSHI [JP]; TAMURA YOSHIO [JP]	JP20090089440 20090401; WO2010JP02414 20100401	H01M8/04	FUEL CELL SYSTEM
US2012107706 A1 20120503	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/06	FUEL CELL SYSTEM AND CONTROL METHOD AT STARTING IN THE FUEL CELL SYS
WO2012023011 A1 20120223	TOYOTA MOTOR CO LTD [JP]; MATSUSUE MASAOKI [JP]	JP20100184749 20100820	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM
WO2012081153 A1 20120621	PANASONIC CORP [JP]; AKIYAMA TAKASHI	JP20100281911 20101217	H01M8/04; H01M8/00; H01M10/42; H01M10/48	FUEL CELL SYSTEM AND CONTROL METHOD FOR SAME
JP2012009412 A 20120112	SANYO ELECTRIC CO [JP]	JP20100121788 20100527; JP20110070761 20110328	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD FOR THE SAME
JP2012048834 A 20120308	TOYOTA MOTOR CO LTD [JP]	JP20100187027 20100824	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD OF FUEL CELL SYSTEM
JP2012089449 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100237713 20101022	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD OF FUEL CELL SYSTEM
JP2012038608 A 20120223	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20100178462 20100809	H01M8/06; C01B3/38; C01B3/48	FUEL CELL SYSTEM AND CONTROL METHOD OF REFORMING WATER SUPPLY AMOUNT IN FUEL CELL SYSTEM

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US2012064425 A1 20120315	MITSUI MASAKI [JP]; AKIYAMA TAKASHI [JP]	JP20100072823 20100326; WO2011JP00342 20110124	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREFOR
US2012100449 A1 20120426	TOYOTA MOTOR CO LTD [JP]	JP20100238177 20101025	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREFOR
CN102308422 A 20120104	Fuelcell Power Inc	WO2010KR00325 20100118; KR20090010292 20090209	H01M8/04; H01M8/24	Fuel cell system and control method thereof
JP2012004085 A 20120105	NGK SPARK PLUG CO [JP]	JP20100141067 20100621	H01M8/06; H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF
JP2012009406 A 20120112	TOYOTA MOTOR CO LTD [JP]	JP20100119448 20100525; JP20100226568 20101006	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF
JP2012064539 A 20120329	TOYOTA MOTOR CO LTD [JP]	JP20100209904 20100917	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF
JP2012104355 A 20120531	TOYOTA MOTOR CO LTD [JP]	JP20100251519 20101110	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF
US2012107709 A1 20120503	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF
JP2012119165 A 20120621	TOYOTA MOTOR CO LTD [JP]	JP20100267953 20101201	H01M8/04	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF
MX2012000602 A 20120213	NISSAN MOTOR [JP]	JP20090177746 20090730; WO2010IB01628 20100702	H01M8/04; H01M8/06; H01M8/12	FUEL CELL SYSTEM AND CONTROL METHOD THEREOF.

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JP4902817B1 B1 20120321		JP20100066057 20100323; WO2011JP01537 20110316; JP20110527114 20110316	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND CONTROL SYSTEM FOR SAME
JP2012089306 A 20120510	HONDA MOTOR CO LTD [JP]	JP20100233899 20101018	H01M8/04	FUEL CELL SYSTEM AND CROSS LEAKAGE DETECTION METHOD FOR THE SAME
US2012015259 A1 20120119	BUDGE JOHN R [US]	US20100837084 20100715	H01M8/06; C01B17/98	FUEL CELL SYSTEM AND DESULFURIZATION SYSTEM
JP2012084245 A 20120426	TOYOTA MOTOR CO LTD [JP]	JP20100227178 20101007	H01M8/04; H01M8/00	FUEL CELL SYSTEM AND DETERMINATION METHOD FOR FUEL CELL SYSTEM
US2012028138 A1 20120202	LEE CHI-SEUNG [KR]; AN SEONG-JIN [KR]; LEE JIN- HWA [KR]	KR20100073529 20100729	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND DRIVING METHOD FOR THE SAME
KR20120001472 A 20120104	SAMSUNG SDI CO LTD [KR]	KR20100062272 20100629	H01M8/04; G05D7/00; H01M8/10	FUEL CELL SYSTEM AND DRIVING METHOD FOR THE SAME
US2012003555 A1 20120105	mitsui masaki [JP]; AKIYAMA TAKASHI [JP]	JP20090280485 20091210; WO2010JP07002 20101201	H01M8/04	FUEL CELL SYSTEM AND ELECTRONIC APPARATUS
JP4853600B2 B2 20120111		JP20100052664 20100310; WO2011JP01202 20110302; JP20110527110 20110302	H01M8/04; H01M8/00	FUEL CELL SYSTEM AND FEEDING CONTROL SYSTEM USING SAME
KR20120059226 A 20120608		KR20100120889 20101130	H01M8/04; H01M8/10; H01M8/24	FUEL CELL SYSTEM AND FUEL CELL STACK OF THE SAME

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
WO2012085663 A1 20120628	TOYOTA MOTOR CO LTD [JP]; HORIUCHI KOUICHIRO [JP]	JP20100282983 20101220	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND FUEL CELL SYSTEM DIAGNOSIS METHOD
US2012064426 A1 20120315	SATO KATSUHIKO [JP]; YASUKAWA MIKIO [JP]; SAGASAKI AKIHIRO [JP]; WADA TOKIO [JP]; KATO YOSHITO [JP]	JP20100205743 20100914	H01M8/04	FUEL CELL SYSTEM AND FUEL-CELL VEHICLE
KR20120009801 A 20120202	PRO POWER CO LTD [KR]	KR20100070504 20100721	H01M8/04; H01M8/10	FUEL CELL SYSTEM AND HEAT EXCHANGER OF THE SAME
KR20120056599 A 20120604		KR20100118220 20101125	H01M8/04; B60L11/18; F24F6/00; H01M8/10	FUEL CELL SYSTEM AND HUMIDIFICATION DEVICE OF THE SAME
KR20120000956 A 20120104	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100061512 20100628	H01M8/04; H01M8/10	FUEL CELL SYSTEM AND HUMIDIFICATION DEVICE OF THE SAME
KR20120020461 A 20120308	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100084093 20100830	H01M8/04; B60L11/18; F24F6/00; H01M8/10	FUEL CELL SYSTEM AND HUMIDIFICATION DEVICE OF THE SAME
JP2012018823 A 20120126	PANASONIC CORP [JP]	JP20100155510 20100708	H01M8/04; H01M8/06; H01M8/10	FUEL CELL SYSTEM AND ITS OPERATIONAL METHOD
WO2012063380 A1 20120518	PANASONIC CORP [JP]; OISHI HITOSHI; KATOU MOTOMICHI; NASU ICHIRO	JP20100251458 20101110	F24H1/18; F24H1/00; H01M8/00; H01M8/04; H04Q9/00	FUEL CELL SYSTEM AND METHOD FOR CONTROLLING FUEL CELL SYSTEM

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US2012040265 A1 20120216	NISSAN MOTOR [JP]	JP20090121680 20090520; WO2010JP56782 20100415	H01M8/04	FUEL CELL SYSTEM AND METHOD FOR CONTROLLING SAME
JP2012022876 A 20120202	TOYOTA MOTOR CO LTD [JP]	JP20100159629 20100714	H01M8/04	FUEL CELL SYSTEM AND METHOD FOR CONTROLLING THE SAME
WO2012063922 A1 20120518	JX NIPPON OIL & AMP ENERGY CORP [JP]; KONISHI MITSUTAKA [JP]; KUBO KOUIC	JP20100253660 20101112	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND METHOD FOR OPERATING FUEL CELL SYSTEM
WO2012063921 A1 20120518	JX NIPPON OIL & AMP ENERGY CORP [JP]; KONISHI MITSUTAKA [JP]; KUBO KOUIC	JP20100253652 20101112	H01M8/04	FUEL CELL SYSTEM AND METHOD FOR OPERATING FUEL CELL SYSTEM
US2012021320 A1 20120126	PANASONIC CORP [JP]	JP20090074933 20090325; JP20100050890 20100308; WO2010JP01638 20100309	H01M8/04	FUEL CELL SYSTEM AND METHOD FOR OPERATING FUEL CELL SYSTEM
KR20120023835 A 20120313	PANASONIC CORP [JP]	JP20100047451 20100304	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND METHOD FOR OPERATING FUEL CELL SYSTEM
CN102484274 A 20120530	PANASONIC CORP [JP]	WO2011JP01597 20110317; JP20100067587 20100324	H01M8/04; H01M8/06	Fuel cell system and method for operating fuel cell system

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WO2012029321 A1 20120308	PANASONIC CORP [JP]; NAGASATO HIROSHI; SHIMADA TAKANORI; TANAKA YOSHIKAZU	JP20100196381 20100902	H01M8/04	FUEL CELL SYSTEM AND METHOD FOR OPERATING FUEL CELL SYSTEM
CN102484262 A 20120530	TOYOTA MOTOR CO LTD [JP]	WO2010JP62177 20100720; WO2009JP64881 20090826	H01M8/02; H01M8/10	FUEL CELL SYSTEM AND METHOD FOR OPERATING FUEL CELL SYSTEM
WO2012033003 A1 20120315	NISSAN MOTOR [JP]; NISHIMURA HIDETAKA; IKEZOE KEIGO; SATO MASASHI	JP20100202267 20100909	H01M8/04	FUEL CELL SYSTEM AND METHOD FOR OPERATING SAME
WO2012004963 A1 20120112	PANASONIC CORP [JP]; TAKEBE YASUO; UKAI KUNIHURO	JP20100155244 20100707	H01M8/06; H01M8/04	FUEL CELL SYSTEM AND METHOD FOR OPERATING SAME
US2012021313 A1 20120126	YASUDA SHIGEKI [JP]; TAMURA YOSHIO [JP]; TAGUCHI KIYOSHI [JP]; TANAKA YOSHIKAZU [JP]	JP20090012996 20090123; WO2010JP00402 20100125	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND METHOD FOR OPERATING THE SAME
US2012070756 A1 20120322	TOYOTA MOTOR CO LTD [JP]	JP20090125017 20090525; WO2010IB00786 20100412	H01M8/04	FUEL CELL SYSTEM AND METHOD OF CONTROLLING FUEL CELL SYSTEM

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JP4921619B2 B2 20120425		JP20090273081 20091201; WO2010JP07009 20101201; JP20110544194 20101201	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND METHOD OF CONTROLLING FUEL CELL SYSTEM
CN102487143 A 20120606	HYUNDAI MOTOR CO LTD [KR]	KR20100123046 20101203	H01M8/04	Fuel cell system and method of controlling same
JP2012059586 A 20120322	TOYOTA MOTOR CO LTD [JP]	JP20100202677 20100910	H01M8/04; H01M8/02	FUEL CELL SYSTEM AND METHOD OF MEASURING CONTENT OF RADICAL SCAVENGING PROMOTER IN FUEL CELL
US2012100445 A1 20120426	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/06	FUEL CELL SYSTEM AND METHOD OF OPERATING FUEL CELL SYSTEM
US2012088170 A1 20120412	HEO JIN S [KR]; CHO HYE- JUNG [KR]; KIM YOUNG- JAE [KR]	KR20100099541 20101012	H01M8/04	Fuel cell system and method of operating the same
JP2012009275 A 20120112	JX NIPPON OIL & AMP ENERGY CORP [JP]; SUMITOMO PRECISION PROD CO	JP20100144194 20100624	H01M8/04; H01M8/06; H01M8/12	FUEL CELL SYSTEM AND METHOD OF STARTING THE SAME
KR20120062932 A 20120614	TOYOTA MOTOR CO LTD [JP]	KR20127011749 20091007	H01M8/04; H01M8/10	FUEL CELL SYSTEM AND METHOD OF STOPPING FUEL CELL SYSTEM
JP2012054082 A 20120315	TOYOTA MOTOR CO LTD [JP]	JP20100195351 20100901	H01M8/04; B60L11/18; H01M4/86; H01M8/00; H01M8/02; H01M8/10	FUEL CELL SYSTEM AND MOBILE BODY INCORPORATING THE SAME

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JP4849349B2 B2 20120111		JP20060238140 20060901; WO2007JP67352 20070830; JP20080533192 20070830	B60L11/18; B60L3/00; H01M8/00; H01M8/04	FUEL CELL SYSTEM AND MOBILE BODY
JP4915475B2 B2 20120411		JP	B60L11/18; B60L3/00; H01M8/04	FUEL CELL SYSTEM AND MOTOR DRIVING METHOD
JP2012074381 A 20120412	TOYOTA MOTOR CO LTD [JP]	JP20110229820 20111019	H01M8/00; B60L11/18; H01M8/04; H01M8/10	FUEL CELL SYSTEM AND MOVING BODY
WO2012086736 A1 20120628	KYOCERA CORP [JP]; ONO TAKASHI [JP]; SHIGEHISA TAKASHI [JP]	JP20100284734 20101221	H01M8/04	FUEL CELL SYSTEM AND OPERATING METHOD THEREFOR
WO2012074005 A1 20120607	KYOCERA CORP [JP]; ONO TAKASHI [JP]; SHIGEHISA TAKASHI [JP]; MATSUI	JP20100266361 20101130; JP20100288122 20101224	H01M8/04; H01M8/12	FUEL CELL SYSTEM AND OPERATING METHOD THEREFOR
WO2012011501 A1 20120126	NISSAN MOTOR [JP]; CHIKUGO HAYATO; YONEKURA KENJI; NAKAYAMA KEN	JP20110137634 20110621; JP20100163747 20100721	H01M8/24; H01M8/04; H01M8/06	FUEL CELL SYSTEM AND OPERATING METHOD THEREOF

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US2012028144 A1 20120202	PANASONIC CORP [JP]	JP20090082945 20090330; JP20100051133 20100308; WO2010JP01657 20100309	H01M8/06	FUEL CELL SYSTEM AND OPERATING METHOD THEREOF
JP2012119146 A 20120621	PANASONIC CORP [JP]	JP20100267381 20101130	H01M8/06; H01M8/04	FUEL CELL SYSTEM AND OPERATING METHOD THEREOF
JP2012038639 A 20120223	PANASONIC CORP [JP]	JP20100179322 20100810	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND OPERATION METHOD OF THE SAME
JP2012109094 A 20120607	PANASONIC CORP [JP]	JP20100256434 20101117	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND OPERATION METHOD OF THE SAME
US2012077097 A1 20120329	PANASONIC CORP [JP]	JP20100014953 20100127; WO2011JP00407 20110126	H01M8/06	FUEL CELL SYSTEM AND OPERATION METHOD THEREFOR
JP2012094461 A 20120517	HITACHI LTD [JP]	JP20100242950 20101029	H01M8/04	FUEL CELL SYSTEM AND OPERATION METHOD THEREOF
JP2012018843 A 20120126	PANASONIC CORP [JP]	JP20100156053 20100708	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND OPERATION METHOD THEREOF
JP2012003884 A 20120105	TOSHIBA CORP [JP]; TOSHIBA FUEL CELL SYSTEMS CORP	JP20100136004 20100615	H01M8/04	FUEL CELL SYSTEM AND OPERATIONAL METHOD FOR THE SAME
JP2012003921 A 20120105	PANASONIC CORP [JP]	JP20100137142 20100616	H01M8/24; H01M8/04	FUEL CELL SYSTEM AND OPERATIONAL METHOD THEREOF
JP2012069383 A 20120405	PANASONIC CORP [JP]	JP20100213287 20100924	H01M8/04; H01M8/06; H01M8/10	FUEL CELL SYSTEM AND OPERATIONAL METHOD THEREOF

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CN102458905 A 20120516	TOYOTA JIDOSHOKKI KK [JP]	JP	B60L11/18; B60L15/20; H01M8/00; H01M8/04	Fuel cell system and power control method therefor
KR20120008353 A 20120130	SAMSUNG SDI CO LTD [KR]	KR20100069165 20100716	H02J7/35; H01M8/00; H02M3/155	FUEL CELL SYSTEM AND POWER MANAGEMENT METHOD IN THE SAME
US2012077096 A1 20120329	GM GLOBAL TECH OPERATIONS INC [US]	US20100893040 20100929	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND PROCESSES
US2012094195 A1 20120419	HONDA MOTOR CO LTD [JP]	US201113331567 20111220; JP20070277579 20071025; US20080258129 20081024	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND SCAVENGING METHOD THEREFOR
KR20120065042 A 20120620	SAMSUNG HEAVY IND [KR]	KR20100126350 20101210	H01M8/06; B63H21/17; B63H21/38; H01M8/04	FUEL CELL SYSTEM AND SHIP HAVING THE SAME
JP2012079633 A 20120419	PANASONIC CORP [JP]	JP20100225989 20101005	H01M8/04	FUEL CELL SYSTEM AND SHUTDOWN METHOD THEREOF
US2012015261 A1 20120119	SAMSUNG SDI CO LTD [KR]	KR20100068511 20100715	H01M8/06	FUEL CELL SYSTEM AND STACK THEREOF
JP2012038559 A 20120223	ENEOS CELLTECH CO LTD [JP]	JP20100177406 20100806	H01M8/04; H01M8/06	FUEL CELL SYSTEM AND STARTING METHOD OF FUEL CELL SYSTEM
JP2012089307 A 20120510	HONDA MOTOR CO LTD [JP]	JP20100233903 20101018	H01M8/04	FUEL CELL SYSTEM AND STARTING METHOD THEREOF
US2012003557 A1 20120105	TOYOTA MOTOR CO LTD [JP]	JP20090028728 20090210; WO2010JP51055 20100127	H01M8/04	FUEL CELL SYSTEM AND START-UP CONTROL METHOD THEREFOR

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EP2453508 A1 20120516	NISSAN MOTOR [JP]	EP20060779709 20060613; JP20050172108 20050613; JP20050172121 200506	H01M8/04	Fuel cell system and start-up method thereof
US2012015257 A1 20120119	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/00	FUEL CELL SYSTEM AND VEHICLE
US2012021301 A1 20120126	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/00	FUEL CELL SYSTEM AND VEHICLE
US2012006607 A1 20120112	TOYOTA MOTOR CO LTD [JP]	JP	B60K1/04; B60L11/18; H01M8/00	FUEL CELL SYSTEM AND VEHICLE
JP2012109151 A 20120607	HONDA MOTOR CO LTD [JP]	JP20100257981 20101118	H01M8/04; H01M8/00; H01M8/10	FUEL CELL SYSTEM AND VEHICLE
JP2012109150 A 20120607	HONDA MOTOR CO LTD [JP]	JP20100257980 20101118	H01M8/04; B60L11/18; H01M8/00	FUEL CELL SYSTEM AND VEHICLE
KR20120007065 A 20120119	PANASONIC CORP [JP]	JP20090109180 20090428; JP20100051481 20100309	H01M8/04; H01M8/00	FUEL CELL SYSTEM AND WATER DRAINING METHOD FOR FUEL CELL SYSTEM
KR20120009631 A 20120202	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100069702 20100719	H01M8/04; F24F6/02; G05D11/02; H01M8/10	Fuel cell system being capable of supply gas control
JP2012508947 A 20120412		EP20080168369 20081105; WO2009EP54475 20090415	H01M8/24; H01M8/04	FUEL CELL SYSTEM COMPRISING A HEAT EXCHANGER

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CN102318119 A 20120111	DAIMLER AG [DE]	WO2010EP00474 20100127; DE200910009674 20090219	H01M8/04; H01M8/06	Fuel cell system comprising at least one fuel cell
CN102318118 A 20120111	DAIMLER AG [DE]	WO2010EP00469 20100127; DE200910009673 20090219	H01M8/04; H01M8/06	Fuel cell system comprising at least one fuel cell
CN102318117 A 20120111	DAIMLER AG [DE]	WO2010EP00472 20100127; DE200910009675 20090219	H01M8/04; H01M8/06	Fuel cell system comprising at least one fuel cell
US2012021310 A1 20120126	UTC POWER CORP [US]	US	H01M8/04; H01M8/06	FUEL CELL SYSTEM CONDENSING HEAT EXCHANGER
DE102010027515 A1 20120503	EKPRO GMBH [DE]	DE201010027515 20100714	H01M8/04	Fuel cell system e.g. solid oxide fuel cell system has sensor for re
US2012064418 A1 20120315	HEO JIN S [KR]; CHO HYE- JUNG [KR]; KIM YOUNG- JAE [KR]; PARK JUNG- KURN [KR]	KR20100088989 20100910	H01M8/06; F16K11/22	FUEL CELL SYSTEM FOR IMPROVING FUEL SUPPLY
DE102010047523 A1 20120209	DAIMLER AG [DE]	DE201010033771 20100809; DE201010047523 20101005	H01M8/04; H01M8/06	Fuel cell system for use in e.g. ships, has air inlet pipe placed between burner and compressor in flow direction subsequent to compressor components, where hot exhaust gases of burner flow from cathode region of fuel cell
DE102010038602 A1 20120202	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	DE201010038602 20100729	H01M8/04	Fuel cell system for use in motor vehicle, has diagnostic unit for carrying out internal error analysis and/or for spatially resolved detection of degradation and/or for estimating degradations probabilities within fuel cell unit

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JP2012074294 A 20120412	DAIHATSU MOTOR CO LTD [JP]	JP20100219172 20100929	H01M8/04; B60K1/04; H01M8/00	FUEL CELL SYSTEM FOR VEHICLE
JP2012074293 A 20120412	DAIHATSU MOTOR CO LTD [JP]	JP20100219171 20100929	H01M8/04; B60K1/04; B60K8/00; H01M8/00; H01M8/06	FUEL CELL SYSTEM FOR VEHICLE
JP2012060784 A 20120322	HONDA MOTOR CO LTD [JP]	JP20100201810 20100909	B60L11/18; H01M8/00; H01M8/04; H01M8/06	FUEL CELL SYSTEM FOR VEHICLE
KR20120063802 A 20120618	HYUNDAI MOTOR CO LTD [KR]	KR20100124947 20101208	H01M8/04; B60L11/18; C25B1/04; H01M10/44	FUEL CELL SYSTEM FOR VEHICLE
US2012028146 A1 20120202	HYUNDAI MOTOR CO LTD [KR]	KR20100074234 20100730	H01M8/06	FUEL CELL SYSTEM FOR VEHICLES AND METHOD FOR CONTROLLING THE SAME
US2012009488 A1 20120112	SAMSUNG ELECTRONICS CO LTD [KR]	US201113238494 20110921; KR20070105788 20071019; US20080100609 20080410	H01M8/06	FUEL CELL SYSTEM INCLUDING FUEL PROCESSOR AND MANAGING METHOD THEREOF
KR20120059445 A 20120608	FUELCELL ENERGY INC [US]	US20090608175 20091029	H01M8/24; H01M2/08; H01M8/14	FUEL CELL SYSTEM MANIFOLD SEAL
DE102011100299 B3 20120412	AIRBUS OPERATIONS GMBH [DE]	DE201110100299 20110503	H01M8/02	Fuel cell system mounted in airplane, has conveying device that conveys membrane unit from delivery element to receiver, and holder that holds anode and cathode and is arranged in alterspacing between anode and cathode

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US2012100444 A1 20120426	XFC INC [KR]	KR20100103061 20101021; KR20100011643 20100208	H01M8/06; H01M8/04; H01M8/10	FUEL CELL SYSTEM USING HYDROGEN FROM ELECTROLYZER OF SEA WATER
CN102356495 A 20120215	Fuelcell Power Inc;Dongyang Engineering Construct	WO2010KR00321 20100118; KR20090011917 20090213	H01M8/04; G01R11/00; H02J7/32	Fuel cell system with charger
WO2012068017 A2 20120524	BLOOM ENERGY CORP [US]; SRINIVASAN RAMESH [IN]; SWAMINATHAN	US20100413629P 20101115	H01M8/04; B60L11/18; H01M10/44; H02J3/00; H02J7/00	FUEL CELL SYSTEM WITH GRID INDEPENDENT OPERATION AND DC MICR
JP4868095B1 B1 20120201		JP	H01M8/04; H01M8/10	FUEL CELL SYSTEM
JP4868094B1 B1 20120201		JP	H01M8/04; H01M8/10	FUEL CELL SYSTEM
JP4873105B2 B2 20120208		JP	H01M8/04; B60L11/18; H01M8/00	FUEL CELL SYSTEM
JP4873952B2 B2 20120208		JP20040013107 20040121; WO2005JP00559 20050119; JP20050517242 20050119	H01M8/04; H01M8/10	FUEL CELL SYSTEM

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JP4883009B2 B2 20120222		JP20050312742 20051027; WO2006JP321366 20061026; JP20070542647 20061026	H01M8/04; H01M8/06	Fuel Cell System
JP4887158B2 B2 20120229		JP20040341228 20041125; WO2005JP21374 20051121; JP20060547771 20051121	H01M8/04; F24H1/00; H01M8/00; H01M8/06	Fuel Cell System
JP4907343B2 B2 20120328		JP20040378967 20041228; WO2005JP22746 20051212; JP20060520431 20051212	H01M8/04; H01M8/10	Fuel cell system
JP4893745B2 B2 20120307		JP20060284721 20061019; WO2007JP70760 20071018; JP20080539899 20071018	H01M8/04; H01M8/00; H01M10/44	FUEL CELL SYSTEM
JP4937755B2 B2 20120523		JP20040301486 20041015; WO2005JP18465 20051005; JP20060540896 200510	H01M8/02; H01M8/04; H01M8/10	Fuel Cell System

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JP2012109074 A 20120607	FUJI ELECTRIC CO LTD	JP20100255760 20101116	H01M8/02	FUEL CELL SYSTEM
JP2012113876 A 20120614	HITACHI MAXELL ENERGY LTD	JP20100260318 20101122	H01M8/24; H01M8/02; H01M8/10	FUEL CELL SYSTEM
JP2012114056 A 20120614	HONDA MOTOR CO LTD [JP]	JP20100264519 20101129	H01M8/04	FUEL CELL SYSTEM
JP2012113847 A 20120614	HONDA MOTOR CO LTD [JP]	JP20100259628 20101122	H01M8/04; H01M8/24	FUEL CELL SYSTEM
JP2012113991 A 20120614	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20100262622 20101125	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012119086 A 20120621	KYOCERA CORP [JP]	JP20100265253 20101129	H01M8/04; H01M8/06	FUEL CELL SYSTEM
JP2012109182 A 20120607	NISSAN MOTOR [JP]	JP20100258875 20101119	H01M8/04	FUEL CELL SYSTEM
JP2012109132 A 20120607	NISSAN MOTOR [JP]	JP20100257486 20101118	H01M8/04	FUEL CELL SYSTEM
JP2012119114 A 20120621	PANASONIC CORP [JP]	JP20100266144 20101130	H01M8/04; F24H1/00; F25B27/02; H01M8/00	FUEL CELL SYSTEM
JP2012119244 A 20120621	PANASONIC CORP [JP]	JP20100269859 20101203	H01M8/04; C01B3/38; H01M8/06	FUEL CELL SYSTEM
JP2012119169 A 20120621	TOYOTA MOTOR CO LTD [JP]	JP20100268027 20101201	H01M8/02; H01M8/10	FUEL CELL SYSTEM
US2012019191 A1 20120126	TOYOTA MOTOR CO LTD [JP]	JP20090085109 20090331; WO2010IB00570 20100318	H01M8/04; H01M10/46	FUEL CELL SYSTEM, AND ELECTRIC VEHICLE EQUIPPED WITH THE FUEL CELL SYSTEM

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CN102379061 A 20120314	TOYOTA MOTOR CO LTD [JP]	WO2010IB00557 20100318; JP20090085112 20090331	H01M16/00; B60L11/18; H01M8/04	Fuel cell system, and electric vehicle equipped with the fuel cell system
JP2012099495 A 20120524	NISSAN MOTOR [JP]	JP20110288146 20111228	H01M8/04; B60L11/18; H01M8/00; H01M8/10	FUEL CELL SYSTEM, AND ITS OPERATING METHOD
US2012015268 A1 20120119	TOYOTA MOTOR CO LTD [JP]	JP20090084637 20090331; WO2010IB00558 20100318	H01M8/04; G01M3/28	FUEL CELL SYSTEM, CONTROL METHOD FOR THE FUEL CELL SYSTEM, AND ELECTRIC VEHICLE EQUIPPED WITH THE FUEL CELL SYSTEM
US2012015267 A1 20120119	TOYOTA MOTOR CO LTD [JP]	JP20090085111 20090331; WO2010IB00584 20100318	H01M8/04	FUEL CELL SYSTEM, CONTROL METHOD FOR THE FUEL CELL SYSTEM, AND ELECTRIC VEHICLE EQUIPPED WITH THE FUEL CELL SYSTEM
CN102369623 A 20120307	TOYOTA MOTOR CO LTD [JP]	WO2010IB00563 20100318; JP20090085378 20090331	H01M8/04; H01M8/00	Fuel cell system, control method for the fuel cell system, and electric vehicle equipped with the fuel cell system
US2012009492 A1 20120112	TOYOTA MOTOR CO LTD [JP]	JP20090054891 20090309; JP20090072916 20090324; WO2010IB00732 20100308	H01M8/04; H01M8/06	FUEL CELL SYSTEM, CONTROL METHOD FOR THE FUEL CELL SYSTEM, AND STATE DETECTION METHOD FOR FUEL CELL
US2012021257 A1 20120126	TOYOTA MOTOR CO LTD [JP]	JP20090085110 20090331; WO2010IB00562 20100318	H01M16/00; H01M8/04	FUEL CELL SYSTEM, CONTROL METHOD FOR THE FUEL CELL SYSTEM, AND VEHICLE EQUIPPED WITH THE FUEL CELL SYSTEM

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CN102379054 A 20120314	TOYOTA MOTOR CO LTD [JP]	WO2010IB00560 20100318; JP20090085108 20090331	H01M8/00; H01M8/04; H01M10/48; H01M16/00	Fuel cell system, control method for the fuel cell system, and vehicle equipped with the fuel cell system
JP4868251B2 B2 20120201		JP20050307021 20051021; JP20060130480 20060509; WO2006JP321437 20061020; JP20070541078 20061020	H01M8/04; H01M8/10	FUEL CELL SYSTEM, ESTIMATION DEVICE OF AMOUNT OF ANODE GAS TO BE GENERATED AND ESTIMATION METHOD OF AMOUNT OF ANODE GAS TO BE GENERATED
JP4899477B2 B2 20120321		JP20030274025 20030714; WO2004JP09819 20040709; JP20050511538 20040709	H01M8/06; H01M8/04; H01M8/10	Fuel cell system, fuel cell operation method, and gas treatment device
JP2012069465 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100215133 20100927	H01M8/04; H01M8/02; H01M8/24	FUEL CELL SYSTEM, FUEL CELL, AND FUEL CELL STACK
WO2012042328 A1 20120405	TOYOTA MOTOR CO LTD [JP]; KAWAHARA SHUYA [JP]; KATO MANABU [JP]; KUMEI HIDEYUKI [JP]	JP20100216647 20100928	H01M8/04	FUEL CELL SYSTEM, METHOD AND PROGRAM OF DETERMINING CAUSE OF NEGATIVE VOLTAGE, AND STORAGE MEDIUM STORING PROGRAM
JP2012119329 A 20120621	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20120022758 20120206	H01M8/24	FUEL CELL SYSTEM, METHOD FOR MANUFACTURING THE SAME, AND METHOD FOR DISASSEMBLING THE SAME

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WO2012032392 A1 20120315	TOYOTA MOTOR CO LTD [JP]; KOBAYASHI TOMOYOSHI [JP]	JP20100202748 20100910	H01M8/04; F04D13/06; H02K1/27	FUEL CELL SYSTEM, MOTOR, AIR COMPRESSOR, PUMP, AND METHOD OF DESIGNING MOTOR
JP2012033425 A 20120216	PANASONIC CORP [JP]	JP20100173348 20100802	H01M8/04; H01M8/00	FUEL CELL SYSTEM, OPERATION DEVICE FOR THE SAME, AND METHOD OF OPERATING FUEL CELL SYSTEM
JP2012009182 A 20120112	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100142150 20100623	H01M8/04	FUEL CELL SYSTEM, POWER GENERATION METHOD OF FUEL CELL AND METHOD OF DETERMINING FLOODING
CN102468500 A 20120523	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	CN20101540891 20101108	H01M8/04; F24J1/00	Fuel cell thermoelectric symbiotic system combined with wireless radio frequency sensor
JP2012038565 A 20120223	GS YUASA CORP	JP20100177444 20100806	H01M4/88	FUEL CELL USE CATALYST-CARRYING POWDER MANUFACTURING METHOD, FUEL CELL USE ELECTRODE MANUFACTURING METHOD, AND FUEL CELL USE ELECTRODE
JP2012019607 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100155375 20100708	B60L11/18; H01M8/00; H01M8/04	FUEL CELL VEHICLE
US2012070757 A1 20120322	TOYOTA MOTOR CO LTD [JP]	JP20090125379 20090525; WO2010IB00799 20100412	H01M8/04	FUEL CELL VEHICLE
EP2441613 A1 20120418	TOYOTA MOTOR CO LTD [JP]	JP	B60K15/03; B60K1/04; B60K8/00; B60L11/18; B62D25/08; H01M8/00; H01M8/04;	FUEL CELL VEHICLE

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			H01M8/06	
US2012028147 A1 20120202	HYUNDAI MOTOR CO LTD [KR]	KR20100074678 20100802	H01M8/04	FUEL CELL VEHICLE AND METHOD FOR CONTROLLING OPERATION OF THE SAME
WO2012002105 A1 20120105	SUZUKI MOTOR CORP [JP]; IKEYA KENGO [JP]	JP20100152049 20100702	B60H1/22; H01M8/00; H01M8/06	FUEL CELL VEHICLE HEATING DEVICE
JP2012116441 A 20120621	HONDA MOTOR CO LTD [JP]	JP20100270699 20101203	B60Q5/00; B60L3/00; B60L11/18; H01M8/00; H01M8/04	FUEL CELL VEHICLE
DE102010052797 A1 20120531	VOLKSWAGEN AG [DE]	DE201010052797 20101127	B60L11/18; H01M8/04	Fuel cell vehicle, has electric drive motor attached at electrical t
JP4954375B2 B2 20120613		IT1999MI00829 19990421; WO2000EP03171 20000410	H01M8/02; H01M8/04; H01M8/10	FUEL CELL WITH COOLING SYSTEM BASED ON DIRECT INJECTION OF LIQUID WATER
KR20120064418 A 20120619	KOREA ADVANCED INST SCI & TECH [KR]	KR20100125645 20101209	H01M8/02; H01M8/04	FUEL CELL WITH FLOW FIELD STRUCTURE HAVING MULTIPLE CHANNELS MAINTAI
JP2012099489 A 20120524	GM GLOBAL TECH OPERATIONS INC [US]	US20050250197 20051014	H01M4/96; H01M4/86; H01M4/88; H01M8/04; H01M8/10	FUEL CELL WITH HYDROPHOBIC DIFFUSION MEDIUM
US2012094201 A1 20120419	DELPHI TECH INC [US]	US201113296580 20111115	H01M8/04; H01M8/24	FUEL CELL WITH INTERNAL FLOW CONTROL

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EP2466673 A1 20120620	ARMINES [FR]	FR20100060705 20101217	H01M4/86; H01M4/88; H01M8/02; H01M8/12	Fuel cell with monolithic electrolyte-membrane assembly
US2012003551 A1 20120105	BADRINARAYANAN PARAVASTU [US]; AMEMIYA KAZUKI [US]	US	H01M8/06; H01M8/04	FUEL CELL WITH PURGE MANIFOLD
US2012070754 A1 20120322	SMITH KENNETH [US]	US201113237650 20110920; US20100384797P 20100921	H01M8/04; H01M8/10	Fuel Cell with Rapid Pressure Balancing
CN102456899 A 20120516	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	CN20101518792 20101020	H01M8/04	Fuel cell with shunting function
JP2012508950 A 20120412		DE200810057253 20081113; DE200910015619 20090402; WO2009DE01614 20091112	H01M8/24; H01M8/10	FUEL CELL WITHOUT BIPOLAR PLATES
JP4888615B2 B2 20120229		JP20100001843 20100107; WO2010JP73146 20101222; JP20110529406 20101222	H01M8/02; H01M8/06	FUEL CELL

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JP4867347B2 B2 20120201		JP20030408643 20031208; WO2004JP18251 20041208; JP20050516025 20041208	H01M8/04; H01M8/02; H01M8/10	Fuel cell
JP4900541B2 B2 20120321		JP	H01M8/02; H01M8/24	FUEL CELL
JP4893735B2 B2 20120307		JP	H01M8/02; H01M8/04; H01M8/06	FUEL CELL
JP4956187B2 B2 20120620		JP20040188177 20040625; WO2005JP11733 20050627; JP20060528667 200506	H01M8/04; B65D51/00; B65D83/00; H01M8/06	FUEL CELL
JP4956000B2 B2 20120620		JP20030400255 20031128; WO2004JP17181 20041118; JP20050515764 200411	H01M8/02; H01M4/94; H01M8/06; H01M8/12	Fuel cell
JP2012124085 A 20120628	TOSHIBA CORP [JP]	JP20100275404 20101210	H01M8/04	FUEL CELL
JP2012094366 A 20120517	TOYOTA MOTOR CO LTD [JP]	JP20100240330 20101027	H01M8/02; H01M8/04	FUEL CELL, AND FUEL CELL SYSTEM

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KR20120047305 A 20120511	KYOCERA CORP [JP]	JP20090247303 20091028; JP20100074583 20100329; JP20100074585 201003	H01M8/12; H01M8/02	FUEL CELL, CELL STACK, FUEL CELL MODULE, AND FUEL CELL DEVICE
JP4867348B2 B2 20120201		JP20030415543 20031212; WO2004JP17157 20041118; JP20050516074 20041118	H01M8/04; H01M8/06	Fuel cell, fuel cartridge and fuel cell system
US2012034546 A1 20120209	DAIMLER AG [DE]	DE200910016934 20090408; WO2010EP02155 20100406	H01M8/24; H01M8/00; H01M8/10	FUEL CELL, FUEL CELL STACK AND METHOD FOR SEALING A FUEL CELL
US2012021318 A1 20120126	SANYO ELECTRIC CO [JP]	US201113250452 20110930; JP20020350541 20021202; JP20020350546 20021202; US20030725339 20031202	H01M8/04; H01M8/02; H01M8/24	FUEL CELL, METHOD FOR OPERATING FULL CELL AND FUEL CELL SYSTEM
EP2442394 A1 20120418	SONY CORP [JP]	WO2010JP59892 20100604; JP20090137179 20090608; JP20100115399 20100519	H01M8/16; C12N1/00; C12N1/20; G01N27/327; H01M4/88; H01M4/90	FUEL CELL, PROCESS FOR MANUFACTURE OF FUEL CELL, ELECTRONIC DEVICE, ENZYME-IMMOBILIZED ELECTRODE, BIOSENSOR, ENERGY CONVERSION ELEMENT, CELL, CELL ORGANELLE, AND BACTERIUM

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EP2427931 A1 20120314	ACAL ENERGY LTD [GB]	WO2010GB50746 20100507; GB20090007795 20090507	H01M8/04; H01M8/00; H01M8/18	FUEL CELLS
CN102484276 A 20120530	ACAL ENERGY LTD [GB]	WO2010GB51295 20100805; GB20090013638 20090805	H01M8/18	Fuel Cells
AU2010280547 A1 20120301	AFC ENERGY PLC [GB]	GB20090013836 20090807; WO2010GB51203 20100721	H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M8/02; H01M8/08	Fuel cells
US2012135332 A1 20120531	GM GLOBAL TECH OPERATIONS INC [US]	US20100956262 20101130	H01M8/10; H01M2/08	FUEL CELLS HAVING IMPROVED DURABILITY
US2012077098 A1 20120329	ROCHESTER INST TECH [US]	US201113231672 20110913; US20100403296P 20100913	H01M8/06; H01M8/00	FUEL CELLS WITH A NON-PARALLEL GAS FLOW CHANNEL CONFIGURATION AND METHODS THEREOF
JP4956186B2 B2 20120620		JP20040188178 20040625; WO2005JP11732 20050627; JP20060528666 200506	H01M8/04; B65D51/00; B65D83/00; H01M8/06	FUEL CELL-USE FUEL STORING BODY
JP2012014961 A 20120119	SANYO ELECTRIC CO [JP]	JP20100150540 20100630	H01M8/04	FUEL CONTAINER AND FUEL BATTERY SYSTEM

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JP4944444B2 B2 20120530		JP20040011310 20040120; WO2005JP00488 20050117; JP20050517095 200501	H01M8/04; B65D83/00	Fuel Container for Fuel Cell
US2012040257 A1 20120216	SASAKI HIDEAKI [JP]; NAKAMURA SHIN [JP]; SEKINO SHOJI [JP]; KUBO YOSHIMI [JP]	JP20040068230 20040310; WO2005JP02697 20050221	H01M8/04; F16K24/04; H01M8/06	Fuel Container For Fuel Cell, Fuel Cell Using The Same, And Operation Method Of Fuel Cell
US2012141891 A1 20120607	HYUNDAI MOTOR CO LTD [KR]	KR20100122387 20101203	H01M8/06	FUEL CONTROL SYSTEM AND METHOD FOR FUEL CELL SYSTEM
US2012156586 A1 20120621	IND TECH RES INST [TW]	TW20100144306 20101216	H01M8/10; H01M8/04	FUEL DISTRIBUTION STRUCTURE AND FUEL CELL HAVING THE SAME
US2012070758 A1 20120322	NISSAN MOTOR [JP]	JP20090147731 20090622; WO2010JP60935 20100622	H01M8/04	FUEL GAS SUPPLY DEVICE OF FUEL CELL SYSTEM
US2012003559 A1 20120105	AIR LIQUIDE [FR]	FR20090051932 20090325; WO2010FR50358 20100303	F16K31/04; F16K31/46; H01M8/04	FUEL GAS SUPPLY SYSTEM FOR A POWER- CONSUMING MEMBER, AND CONTROL MEMBER USABLE FOR SUCH A SYSTEM
KR20120054233 A 20120530	KOREA ENERGY RESEARCH INST [KR]	KR20100115505 20101119	H01M8/06; G05D7/00; H01M8/04	FUEL GAS SUPPLYING SYSTEM FOR A FUEL CELL AND FUEL CELL COMPRISING T
EP2424023 A2 20120229	BIC SOC [FR]	EP20040811885 20041124; US20030725236 20031201	H01M8/04; G01F23/26	Fuel gauge for fuel cartridges

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JP2012082102 A 20120426	KONICA MINOLTA HOLDINGS INC [JP]	JP20100229152 20101008	C01B3/08; C01B3/02; H01M8/04; H01M8/06; H01M8/12	FUEL GENERATION DEVICE, AND SECONDARY BATTERY TYPE FUEL CELL SYSTEM INCLUDING THE SAME
EP2401784 A2 20120104	FUELCELL ENERGY INC [US]	WO2010US25430 20100225; US20090393623 20090226	H01M8/04; H01M8/14	FUEL HUMIDIFIER ASSEMBLY FOR USE IN HIGH TEMPERATURE FUEL CELL SYSTEMS
EP2406487 A1 20120118	POWERCELL SWEDEN AB [SE]	SE	F02M53/04; C01B3/38; H01M8/06	FUEL INJECTION DEVICE AND METHOD FOR A FUEL REFORMER
EP2406175 A2 20120118	POWERCELL SWEDEN AB [SE]	SE	C01B3/38; B01F3/04; H01M8/06	FUEL INJECTION SYSTEM AND METHOD FOR INJECTING HYDROCARBON FUEL INTO A FUEL REFORMER
US2012082909 A1 20120405	ROLLS ROYCE PLC [GB]	US201113292847 20111109; GB20050004755 20050308; US20070884229 20070813; WO2006GB00487 20060213	H01M8/06; H01M8/04	FUEL PROCESSOR FOR A FUEL CELL ARRANGEMENT AND A METHOD OF OPERATING A FUEL PROCESSOR FOR A FUEL CELL ARRANGEMENT
US2012086385 A1 20120412	FRIGOGLASS S A I C [GR]; ADVENT TECHNOLOGIES [GR]; HELBIO S A HYDROGEN AND ENERGY PRODUCTION SYSTEMS [GR]	GR20100100581 20101007	H01M8/06; H01M8/24; H01M10/44	FUEL PROCESSOR/FUEL CELL SYSTEM FOR PROVIDING POWER TO REFRIGERATORS AT OUT-OF-GRID LOCATIONS, AND A METHOD OF USE THEREOF

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WO2012086071 A1 20120628	TOYOTA MOTOR CO LTD [JP]; ITO YASUSHI [JP]	JP	C25B15/02; C25B1/00; C25B1/04; C25B5/00; H01M8/00; H02J15/00	FUEL PRODUCTION SYSTEM
KR101107220B B1 20120125	AGENCY DEFENSE DEV [KR]	KR20110127824 20111201	H01M8/06; C01B3/02; H01M8/04	FUEL REFORMER AND METHOD FOR MANUFACTURING THE SAME
TW201220588 A 20120516	IND TECH RES INST [TW]	TW20100138141 20101105	H01M8/18; C01B3/16; H01M8/04	Fuel reforming apparatus and the method thereof
JP4909488B2 B2 20120404		JP20000286022 20000920; WO2001JP08206 20010920; JP20020528867 20010920	C01B3/38; B01B1/00; B01J8/04; C01B3/48; C01B3/58; H01M8/06; H01M8/10	Fuel reforming apparatus for polymer electrolyte membrane fuel cell
JP4956184B2 B2 20120620		JP20040170067 20040608; WO2005JP10483 20050608; JP20060514539 200506	H01M8/04; B65D51/00; B65D83/00; H01M8/06	Fuel reservoir for fuel cell
EP2426768 A2 20120307	BIC SOC [FR]	EP20050777494 20050727; US20040913715 20040806	H01M8/04	Fuel supplies for fuel cells
EP2461408 A1 20120606	NITTO DENKO CORP [JP]	JP20100271463 20101206	H01M8/04; H01M8/02; H01M8/10	Fuel supply amount adjustment film, printed circuit board, and fuel

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US2012141918 A1 20120607	KAWATA ISAMU [JP]; MITSUI MASAKI [JP]; KUSUMOTO JUNYA [JP]	JP20100270817 20101203	H01M8/04; H01M8/02	FUEL SUPPLY APPARATUS, FUEL CARTRIDGE, AND JOINT
KR20120061653 A 20120613		KR20100123028 20101203	H01M8/04; B60L11/18; G05D7/00; H01M8/10	FUEL SUPPLY DEVICE AND METHOD FOR FUEL CELL SYSTEM
WO2012054787 A1 20120426	ARDICA TECHNOLOGIES [US]; BRAITHWAITE DANIEL [US]; THOMAS JESSE [US]; RODRIGUEZ ADAM [US]; FISHER TOBIN [US]; FABIAN TIBOR [US]	US20100908845 20101020	H01M8/18	FUEL SUPPLY FOR A FUEL CELL
JP2012114060 A 20120614	DAIHATSU MOTOR CO LTD [JP]	JP20100264578 20101129	H01M8/04; B60L11/18	FUEL SUPPLY METHOD AND FUEL CELL VEHICLE
JP2012067832 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100212585 20100922	F17C7/00	FUEL SUPPLY SYSTEM
WO2012056280 A1 20120503	TOYOTA MOTOR CO LTD [JP]; OKAWACHI EIJI [JP]; NUMAZAKI KAZUS	JP20100241755 20101028	H01M8/04; F16K31/06; F17C7/00	FUEL SUPPLY SYSTEM
EP2441681 A2 20120418	BIC SOC [FR]	EP20050723113 20050216; WO2005US04826 20050216	B65B1/04; H01M8/04	Fuel supply systems having operational resistance

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DE102010038491 A1 20120202	BAYERISCHE MOTOREN WERKE AG [DE]	DE201010038491 20100727	F02M21/02; C01B3/26; H01M8/06	Fuel supplying device useful for partially supplying fuel load with hydrogen burning in combustion chamber e.g. internal combustion engine or fuel cell of motor vehicle, comprises first storage tank for carrier enriched with hydrogen
CN102470749 A 20120523	TOYOTA MOTOR CO LTD [JP]	JP	B60K15/03; F16K27/00; F16L41/00; F17C13/04; F17C5/06; F17C7/00; H01M8/00; H01M8/04	Fuel system and vehicle
US2012115061 A1 20120510	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04	FUEL SYSTEM AND VEHICLE
EP2417664 A1 20120215	24M TECHNOLOGIES INC [US]	WO2010US30136 20100406; US20090166958P 20090406; US20090235859P 20090821	H01M8/18; H01M8/00; H01M8/04; H01M8/22	FUEL SYSTEM USING REDOX FLOW BATTERY
CA2757845 A1 20120510	RESEARCH IN MOTION LTD [CA]	EP20100190600 20101110	H05K7/14; G06F1/16; H01M8/04	FUEL TANK LOCATED WITHIN A FRAME OF AN ELECTRONIC PORTABLE DEVICE
US2012115070 A1 20120510	RESEARCH IN MOTION LTD [CA]	US20100943821 20101110	H01M8/04	FUEL TANK LOCATED WITHIN A FRAME OF AN ELECTRONIC PORTABLE DEVICE
JP2012066838 A 20120405	TOSHIBA CORP [JP]	JP20100212557 20100922	B65D1/48; B65D1/00; H01M8/04	FUEL TANK, AND METHOD FOR MANUFACTURING THE SAME

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US2012077112 A1 20120329	SANYO ELECTRIC CO [JP]	JP20100218818 20100929; JP20110171257 20110804	H01M8/04; F17C11/00; G06F19/00	FUEL TANK, HYDROGEN REMAINING LEVEL DETECTION SYSTEM, AND FUEL CELL SYSTEM
JP2012087003 A 20120510	FUJI ELECTRIC CO LTD	JP20100234511 20101019	C01B3/38; H01M8/06	FUEL TREATMENT APPARATUS
WO2012043337 A1 20120405	TOPPAN PRINTING CO LTD [JP]; MORIOKA HIROYUKI [JP]; KURATA HARUNA [JP]; OKADA SAORI [JP]; OOTA KENICHIRO [JP]	JP20100217814 20100928	H01M4/88; H01M4/86; H01M4/90; H01M8/10	FUEL-CELL ELECTRODE CATALYST LAYER MANUFACTURING METHOD, FUEL-CELL MEMBRANE- ELECTRODE ASSEMBLY, AND POLYMER ELECTROLYTE FUEL CELL
KR20120013435 A 20120214	PANASONIC CORP [JP]	JP20100043936 20100301; WO2011JP01159 20110228	H01M8/04	FUEL-CELL POWER GENERATING SYSTEM
US2012129059 A1 20120524	SEIKO EPSON CORP [JP]	JP20100257573 20101118	H01M8/06	FUEL-CELL-MOUNTED VEHICLE AND LIQUID EJECTION METHOD
KR20120057413 A 20120605		KR20100119129 20101126	H01M8/24; H01M8/04	FULL CELL STACK FIXING DEVICE
JP4858719B2 B2 20120118		JP20050048872 20050224; JP20050136457 20050509; WO2006JP303925 20060223; JP20070504840 20060223	C08J7/18; B01D71/32; C08J7/04; H01M8/02; H01M8/10	FUNCTIONAL MEMBRANE AND PROCESS FOR PRODUCTION THEREOF, AND ELECTROLYTE MEMBRANE FOR FUEL CELL AND PROCESS FOR PRODUCTION THEREOF

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US2012004330 A1 20120105	HAERING THOMAS [DE]	US201113047655 20110314; DE20011058006 20011122; DE20021008679 20020228; US20090615901 20091110	B01J39/18; C08G85/00; B01D67/00; B01D71/52; B01D71/68; B01D71/80; B01D71/82; B01J41/12; B01J47/12; C08G65/48; C08G75/23; C08J5/22; C08L71/00; C08L81/06; H01B1/06; H01B13/00; H01M8/02; H01M8/10; H01M10/40	FUNCTIONALIZED MAIN CHAIN POLYMERS
DE102011103403 A1 20120419	GM GLOBAL TECH OPERATIONS INC [US]	US20100797444 20100609	H01M8/04	Funktionstest für einen Brennstoffellenabgasstrom-Wasserstoffsensordurch Erzeugen definierter Wasserstoffimpulse beim Fahren und bei einem regelmässigen Service mit brennstoffzellensystem-immanenten Vorrichtungen
US2012003518 A1 20120105	GLOBAL ENERGY SCIENCE LLC [US]	US201113235480 20110918; US201113194049 20110729; US20100800658 20100520; US20090220583P 20090626	H01M2/38; H01M8/04	GALVANIC ELECTROCHEMICAL CELLS UTILIZING TAYLOR VORTEX FLOWS

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DE202011001161U U1 20120417	REINHOLD WESSELMANN GMBH [DE]	DE201120001161U 20110105	H01M8/04	Galvanikzelleneinheit
JP2012096940 A 20120524	TOYOTA CENTRAL RES & DEV [JP]	JP20100244247 20101029	C01G25/00; C01G33/00	GARNET-TYPE IONIC CONDUCTIVE OXIDE AND METHOD FOR MANUFACTURING THE
JP2012058180 A 20120322	NIPPON SOKEN [JP]; DENSO CORP; TOYOTA MOTOR CORP [JP]	JP20100204216 20100913	G01N27/18	GAS CONCENTRATION MEASURING APPARATUS
JP2012078339 A 20120419	DENSO CORP; TOYOTA MOTOR CORP	JP20100203168 20100910; JP20110087055 20110411	G01N27/02; H01M8/04	GAS CONCENTRATION MEASURING DEVICE
EP2455612 A1 20120523	TOYOTA MOTOR CO LTD [JP]	JP	F04B35/00; B60K8/00; F04B17/03; F04B23/04; F04B41/06; H01M8/04	GAS CONSUMPTION SYSTEM, FUEL CELL SYSTEM AND VEHICLE
JP2012021646 A 20120202	HONDA MOTOR CO LTD [JP]	US20050679102P 20050509	F17C5/06; B60K15/03; F17C13/00; H01M8/00; H01M8/04; H01M8/06	GAS COOLING USING MELTING/SOLIDIFYING MEDIUM FOR HIGH PRESSURE STORAGE TANK FOR COMPRESSED NATURAL GAS OF HYDROGEN
WO2012056891 A1 20120503	SUMITOMO ELECTRIC INDUSTRIES [JP]; HIRAIWA CHIIRO [JP]; MAJIMA MASA	JP20100242207 20101028	B01J19/08; B01D53/32; B01D53/58; H01M8/02; H01M8/12	GAS DECOMPOSING ELEMENT, POWER GENERATING DEVICE, AND GAS DECOMPOSIN

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JP2012091140 A 20120517	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100242210 20101028	B01J19/08; B01D53/32; B01D53/58	GAS DECOMPOSING ELEMENT, POWER GENERATOR, AND GAS DECOMPOSING METHOD
JP2012016693 A 20120126	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100130553 20100607; JP20100285909 20101222	B01J19/24; B01D53/58; C25B1/00; C25B11/04; H01M4/90; H01M8/02; H01M8/04; H01M8/06; H01M8/12	GAS DECOMPOSITION ELEMENT, AMMONIA DECOMPOSITION ELEMENT, POWER-GENERATING DEVICE, AND ELECTROCHEMICAL REACTION DEVICE
JP2012115807 A 20120621	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100270362 20101203	B01D53/32; B01D53/58; B01D53/86; B01J19/08; B01J23/76; H01M8/02	GAS DECOMPOSITION ELEMENT, AND POWER GENERATOR
WO2012073921 A1 20120607	SUMITOMO ELECTRIC INDUSTRIES [JP]; HIRAIWA CHIIHIRO [JP]; MAJIMA MASA	JP20100268473 20101201	B01D53/32; B01D53/58; B01J19/08; H01M8/02; H01M8/12	GAS DECOMPOSITION ELEMENT, METHOD FOR MANUFACTURING GAS DECOMPOSITIO
WO2012060228 A1 20120510	SUMITOMO ELECTRIC INDUSTRIES [JP]; HIRAIWA CHIIHIRO [JP]; MAJIMA MASA	JP20100245892 20101102	B01D53/32; B01D53/58; B01J19/08; H01M4/86; H01M8/02; H01M8/04	GAS DECOMPOSITION ELEMENT, POWER GENERATION DEVICE AND GAS DECOMPOSI
JP2012017525 A 20120126	BAYER MATERIALSCIENCE AG [DE]	DE201010030203 20100617	C25B11/03; C25B9/00; C25B11/08; H01M4/86	GAS DIFFUSION ELECTRODE AND METHOD FOR PRODUCTION THEREOF

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US2012094215 A1 20120419	NISSAN MOTOR [JP]	JP20090151711 20090626; JP20090152442 20090626; JP20090153006 20090626; WO2010JP60826 20100625	H01M8/04; B05D5/12	GAS DIFFUSION ELECTRODE AND PRODUCTION METHOD FOR SAME; MEMBRANE ELECTRODE ASSEMBLY AND PRODUCTION METHOD FOR SAME
WO2012001061 A1 20120105	VITO NV [BE]; ALVAREZ GALLEGO YOLANDA [BE]; VERMEIREN PHILIPPE [BE]; CLAES ANDRE-VIKTOR [BE]; ADRIANSENS WALTER [BE]	EP20100167748 20100629	H01M4/86; H01M4/88; H01M4/96; H01M8/02; H01M8/08; H01M8/10; H01M8/16	GAS DIFFUSION ELECTRODE, METHOD OF PRODUCING SAME, MEMBRANE ELECTRODE ASSEMBLY COMPRISING SAME AND METHOD OF PRODUCING MEMBRANE ELECTRODE ASSEMBLY COMPRISING SAME
JP2012074280 A 20120412	DAINIPPON PRINTING CO LTD [JP]	JP20100218660 20100929	H01M4/96; H01M8/10	GAS DIFFUSION LAYER FOR FUEL CELL
EP2426762 A1 20120307	NISSAN MOTOR [JP]; W L GORE & ASSOCIATES CO LTD [JP]	WO2010JP57502 20100427; JP20090112320 20090501	H01M4/86; H01M8/10	GAS DIFFUSION LAYER FOR FUEL CELL
JP2012074141 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100215965 20100927	H01M4/86	GAS DIFFUSION LAYER FOR FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
JP2012074140 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100215964 20100927	H01M4/86; H01M4/88; H01M8/02	GAS DIFFUSION LAYER FOR FUEL CELL AND METHOD FOR MANUFACTURING THE SAME

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JP2012059615 A 20120322	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100203261 20100910	H01M4/86; H01M8/02; H01M8/10	GAS DIFFUSION LAYER FOR FUEL CELL AND SOLID POLYMER FUEL CELL
JP4938133B2 B2 20120523		JP20080281548 20081031; JP20080281553 20081031; WO2009JP05740 200910	H01M4/96; H01M4/88; H01M8/10	GAS DIFFUSION LAYER FOR FUEL CELL, MANUFACTURING METHOD THEREFOR, MEMBRANE ELECTRODE ASSEMBLY, AND FUEL CELL
CN102484263 A 20120530	PANASONIC CORP [JP]	WO2010JP05382 20100901; JP20090203432 20090903	H01M8/02; H01M4/86; H01M4/88; H01M4/96; H01M8/10	Gas diffusion layer for fuel cell, method for manufacturing same, membrane-electrode assembly, and fuel cell
JP2012054111 A 20120315	DAINIPPON PRINTING CO LTD [JP]; DNP FINE CHEMICALS CO LTD	JP20100196106 20100901	H01M4/86; H01M8/10	GAS DIFFUSION LAYER FOR SOLID POLYMER FUEL CELL WITH CONDUCTIVE POROUS LAYER AND SOLID POLYMER FUEL CELL USING IT
KR20120038984 A 20120424	W L GORE & AMP ASSOCIATES CO LTD [JP]	JP20090175254 20090728	H01M4/86; H01M4/96; H01M8/02; H01M8/10	GAS DIFFUSION LAYER MEMBER FOR SOLID POLYMER FUEL CELLS, AND SOLID POLYMER FUEL CELL
CN102456891 A 20120516	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101524791 20101029	H01M8/02	Gas diffusion layer with gradient hole structure and preparation and applications thereof
KR20120014619 A 20120220	UNIV SUNGKYUNKWAN FOUND [KR]	KR20100076690 20100810	H01M4/96; C01B31/02; H01M8/10	GAS DIFFUSION SHEET AND PREPARING METHOD THEREOF

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CN102318110 A 20120111	JOHNSON MATTHEY PLC [GB]; Technical Fibre Products Ltd.	WO2010GB50175 20100204; GB20090002312 20090212	H01M4/86; H01M4/88; H01M8/02; H01M8/08	Gas diffusion substrate
JP2012117634 A 20120621	NOK CORP [JP]	JP20100269487 20101202	F16L55/07; H01M2/12	GAS DISCHARGE PIPE
JP2012077789 A 20120419	TOYOTA MOTOR CO LTD [JP]	JP20100221477 20100930	F17C13/02; F17C5/06; H01M8/00	GAS FILLING OBJECT, GAS SUPPLY DEVICE, GAS SUPPLY SYSTEM, VALVE STATE DETERMINATION METHOD AND GAS SUPPLY METHOD
WO2012003112 A1 20120105	BIC SOC [FR]; ROSENZWEIG ALAIN [FR]; CURELLO ANDREW J [US]; STEPAN CONSTANCE R [US]; CURELLO MICHAEL [US]; SPAHR PAUL [US]	US20100829801 20100702	H01M8/06	GAS GENERATOR WITH STARTER MECHANISM AND CATALYST SHIELD
CN102468498 A 20120523	Jiangsu HY-Power Technology Development Co., Ltd.	CN20101531873 20101031	H01M8/04	Gas humidifier for industrial industry
JP2012048937 A 20120308	TOYOTA MOTOR CO LTD [JP]	JP20100189290 20100826	H01M8/02; H01M8/10	GAS PASSAGE STRUCTURE AND FUEL BATTERY HAVING THIS GAS PASSAGE STRUCTURE
JP2012064483 A 20120329	TOYOTA MOTOR CORP [JP]; NIPPON SOKEN [JP]	JP20100208808 20100917	H01M8/02; H01M8/10	GAS PASSAGE STRUCTURE FOR FUEL CELL, PASSAGE STRUCTURE FOR THE FUEL CELL, SEPARATOR FOR THE FUEL CELL AND COOLANT FLOW RATE CONTROL DEVICE FOR THE FUEL CELL

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WO2012017668 A1 20120209	KAWASAKI HEAVY IND LTD [JP]; NOMICHI KAORU; SUZUKI YUTAKA; NINOMIYA MAKOTO	JP20100177869 20100806	F16K31/06; F02M21/02	GAS PRESSURE REGULATING VALVE
WO2012017666 A1 20120209	KAWASAKI HEAVY IND LTD [JP]; NOMICHI KAORU; SUZUKI YUTAKA; NINOMIYA MAKOTO	JP20100177867 20100806	F16K31/06; F02M21/02; G05D16/20	GAS PRESSURE REGULATING VALVE
JP2012031967 A 20120216	NGK SPARK PLUG CO [JP]; TOKYO GAS CO LTD [JP]	JP20100173539 20100802	F16J15/06; B01D53/22; B01D63/00; F16J15/10; H01M8/06	GAS SEAL COMPOSITE AND APPARATUS EQUIPPED WITH THE GAS SEAL COMPOSITE
JP2012007727 A 20120112	NGK SPARK PLUG CO [JP]; TOKYO GAS CO LTD [JP]	JP20100116959 20100521; JP20110111563 20110518	F16J15/14; F16J15/10; H01M8/02; H01M8/12	GAS SEALING COMPOSITE AND APPARATUS WITH THE SAME
WO2012086836 A1 20120628	RENAISSANCE ENERGY RES CORP [JP]; OKADA OSAMU [JP]; TERAMOTO MASAAKI	JP20100287262 20101224	B01D53/22; B01D53/26; C01B3/16; C01B3/38; C01B3/56; H01M8/06	GAS SEPARATION DEVICE, MEMBRANE REACTOR, AND HYDROGEN PRODUCTION DEV
CN102326285 A 20120118	ENCITE LLC [US]	WO2009US69473 20091223; US20080140349P 20081223; US20090645263 20091222	H01M8/06	Gas storage system

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KR20120038557 A 20120423	UNIV MICHIGAN [US]; BASF SE [DE]	US20030608146 20030630	F17C11/00; B01J20/22; C01B3/00; H01M8/02; H01M8/04	GAS STORAGE SYSTEM
CN202167568U U 20120314	UNIV ZHEJIANG	CN20112186604U 20110603	H01M8/04	Gas supply pressure stabilizing device of fuel cell
JP2012041998 A 20120301	TOYOTA MOTOR CO LTD [JP]	JP20100184815 20100820	F17C13/12; H01M8/04	GAS TANK
WO2012036057 A1 20120322	SUMITOMO ELECTRIC INDUSTRIES [JP]; HIRAIWA CHIHIRO [JP]; MAJIMA MASATOSHI [JP]; KUWABARA TETSUYA [JP]; MIZUHARA NAHO [JP]; AWAZU TOMOYUKI [JP]; UEDA TOSHIO [JP]; DOI HIDEYUKI [JP]; KURAMOTO TOSHIYUKI [JP]	JP20100204741 20100913	B01J19/08; B01D53/58	GAS-DECOMPOSITION DEVICE, ELECTROCHEMICAL REACTION DEVICE, AND METHOD FOR MANUFACTURING SAID DEVICES
WO2012076774 A1 20120614	COMMISSARIAT ENERGIE ATOMIQUE [FR]; ROUILLON LUDOVIC [FR]; PAUCHET J	FR20100060282 20101209	H01M8/10; H01M4/86; H01M4/88; H01M8/02	GASEOUS DIFFUSION LAYER FOR FUEL CELL
JP2012092954 A 20120517	AISIN SEIKI [JP]	JP20100243062 20101029	F16K11/044; F16K31/04; H01M8/04	GASEOUS MATTER CONTROL VALVE

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US2012094198 A1 20120419	THERMOCHEM RECOVERY INTERNAT [US]	US201113309354 20111201; WO2010US37127 20100602; US20090183401P 20090602	H01M8/06; H01M8/18	Gasifier Having Integrated Fuel Cell Power Generation System
JP2012021640 A 20120202	NOK CORP [JP]	JP20100134784 20100614; JP20100187844 20100825	F16J15/06; F16J15/10; H01M8/02	GASKET
EP2418404 A1 20120215	NOK CORP [JP]	EP20020701541 20020213; JP20010066016 20010309; JP20010083968 20010323; JP20010170564 20010606; JP20010279117 20010914	F16J15/06; F16J15/10; F16J15/08; F16J15/12; H01M8/02; H01M8/10	Gasket
KR20120055398 A 20120531	AGENCY DEFENSE DEV [KR]	KR20100117124 20101123	H01M8/02; H01M8/10	GASKET AND FUEL CELL HAVING THE SAME
KR20120030744 A 20120329	DANG A HWA SUNG CO LTD [KR]	KR20100092450 20100920	H01M8/02; B29C45/14; H01M8/10	GASKET EMBEDDED BIPOLAR PLATE FOR FUEL CELL
CN102473929 A 20120523	HYUNDAI HYSKO [KR]	WO2009KR04357 20090804; KR20090071021 20090731	H01M8/02; B29C45/00; H01M8/04	Gasket for metal separator, having dual structure
KR20120056022 A 20120601		KR20100117525 20101124	H01M8/02; C09K3/10;	Gasket Structure for Fuel Cell

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			H01M8/10	
KR20120069094 A 20120628	PYUNGHWA OIL SEAL INDUSTRY CO LTD [KR]	KR20100130495 20101220	H01M8/04; C09K3/10; H01M8/10	GASKET UNITED CONSTRUCTION OF FUEL BATTERY
JP2012024717 A 20120209	DAIHATSU MOTOR CO LTD [JP]	JP20100167049 20100726	B01D19/00; H01M8/04	GAS-LIQUID SEPARATOR
DE102011010482 A1 20120301	GM GLOBAL TECH OPERATIONS INC [US]	US20100706354 20100216	H01M8/04	Gefrierstartbetrieb in einer Brennstoffzelle mit einer blockierten Anodenzelle
CN102311605 A 20120111	Institute of Physics, Chinese Academy of Sciences	CN20101228214 20100708	C08L33/26; C08L33/02; C08L33/14; H01G9/00; H01G9/028; H01G9/20; H01L51/42; H01L51/44; H01M8/10; H01M10/0565	Gel polymer electrolyte and preparation method thereof
ES2375136 A1 20120227	TOYOTA MOTOR CO LTD [JP]	JP20080070360 20080318; WO2009JP56013 20090318	C01B3/04; F02B43/00; F02M21/02; H01M8/06	GENERADOR DE HIDROGENO, MOTOR DE COMBUSTION INTERNA QUE QUEMA AMONIACO, Y CELULA DE COMBUSTIBLE.
DE102011009808 A1 20120119	GM GLOBAL TECH OPERATIONS INC [US]	US20100701989 20100208	H01M8/04	GESCHERTER RAND AN BRENNSTOFFZELLENKOMPONENTEN ZUMSAUGEN VON WASSER
EP2448875 A1 20120509	COMMISSARIAT ENERGIE ATOMIQUE [FR]	WO2010EP59236 20100629; FR20090054613 20090703	C03C3/091; C03C3/076; C03C3/095; C03C8/24;	GLASS COMPOSITIONS FOR JOINTS OF DEVICES OPERATING AT HIGH TEMPERATU

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			H01M8/02	
JP4892149B2 B2 20120307		US19990365343 19990730; US20000562583 20000501; WO2000US20534 20000728	C04B37/00; C03C8/24; C03C10/00; C03C10/08; C04B37/02; G01N27/407; H01M2/08; H01M8/02	Glass-ceramic material and method of making
CN102489314 A 20120613	Tianjin University	CN20111404210 20111207	B01J23/89; B82Y30/00; B82Y40/00; H01M4/86; H01M8/02	Graphene-loaded double-metal nano particles for methanol and ethanol fuel cells, and preparation method for graphene-loaded double-metal nano particles
AT543231T T 20120215	GRAFTECH INC [US]	US	H01M8/10; H01M8/02	GRAPHITTEILE FÜR DEN EINSATZ ALS ELEKTRODE EINER ELEKTROCHEMISCHEN BRENNSTOFFZELLE

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AT539121T T 20120115	RHONE POULENC CHIMIE [FR]	FR20030004157 20030403; WO2004FR00709 20040323	C08L83/04; C08G77/20; C08G77/42; C08K3/00; C08L83/07; C08L83/12; H01B1/04; H01B1/12; H01M6/18; H01M8/10; H01M10/052; H01M10/0565; H01M10/0567; H01M10/22; H01M10/36	HÄRTBARE ZUSAMMENSETZUNG FÜR EINE BATTERIEELEKTRODE
US2012040255 A1 20120216	TESLA MOTORS INC [US]	US201113027018 20110214; US20100372351P 20100810	H01M8/22	Hazard Mitigation Through Gas Flow Communication Between Battery Packs
CN102522583 A 20120627	DONGFANG ELECTRIC CORP	CN20111456228 20111231	H01M8/04; H01M8/02	Heat exchange system
CN102522584 A 20120627	DONGFANG ELECTRIC CORP	CN20111457510 20111231	H01M8/04; H01M8/02	Heat exchange system and heat exchange method
JP2012117723 A 20120621	TRAD CO LTD	JP20100266664 20101130	F28F3/08; F28F3/04; H01M8/00; H01M8/04	HEAT EXCHANGER FOR HOT-WATER SUPPLY
KR101128829B B1 20120323	SERVEONE CO LTD [KR]	KR20110102250 20111007	F01K23/10; F01K21/04; F01K23/04; H01M8/04	HEAT RECOVERY TYPE COGENERATION SYSTEM OF FUEL CELL AND GENERATING METHOD THEREOF

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KR20120062295 A 20120614	DOOSAN HEAVY IND & CONSTRUCTION CO LTD [KR]	KR20100123498 20101206	H01M8/04; H01M8/06	HEAT-EXCHANGE TYPE VAPORIZER HEADER FOR FUEL CELL SYSTEM
KR20120062377 A 20120614	HYUNDAI MOTOR CO LTD [KR]	KR20100123610 20101206	H01M8/04; B60L11/18; H05B6/36	HEATIND DEVICE FOR FUEL CELL
US2012122000 A1 20120517	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100114234 20101117	H01M8/04; B60H1/02; B60H1/32; F25B27/00	HEATING CONTROL METHOD FOR FUEL CELL VEHICLE
US2012100450 A1 20120426	HYUNDAI MOTOR CO LTD [KR]	KR20100103805 20101025	H01M8/04	HEATING DEVICE FOR END PLATE OF FUEL CELL STACK
JP2012077961 A 20120419	OSAKA GAS CO LTD	JP20100221696 20100930	F24H1/18; F24H1/00; H01M8/00; H01M8/04; H01M8/10	HEATING MODE SWITCHING DEVICE
KR20120060285 A 20120612		KR20100121635 20101201	F17C5/06; B60S5/02; F17C11/00; H01M8/06	HEATING SYSTEM FOR FUEL CELL VEHICLE
KR20120026876 A 20120320	HYUNDAI MOTOR CO LTD [KR]	KR20100089051 20100910	B60H1/22; B60H1/00; B60H1/03; H01M8/04	HEATING SYSTEM FOR FUEL CELL VEHICLE
JP2012062220 A 20120329	DAINATSUKUSU KK	JP20100207880 20100916	C01B3/08; F24H3/04	HEATING SYSTEM USING REACTION HEAT OF ALUMINUM AND WATER
DE102010054618 A1 20120621	DAIMLER AG [DE]	DE201010054618 20101216	H01M8/02; F26B9/06	Herstellungsverfahren für Bipolarplatten
DE102010054617 A1 20120621	DAIMLER AG [DE]	DE201010054617 20101216	H01M8/02; C23G1/00; C23G5/00	Herstellungsverfahren für Bipolarplatten

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US2012122017 A1 20120517	MILLS RANDELL L [US]	US201013387144 20100318; US20090232293P 20090807; US20090234234P 200	F01K27/00; F24J1/00; H01L35/28; H01M4/58; H01M4/62; H01M8/04; H01M8/22	HETEROGENEOUS HYDROGEN-CATALYST POWER SYSTEM
CN102449840 A 20120509	The Regents of the University of California	US	H01M8/16	High alkaline ionomers and membranes, anion/hydroxide exchange fuel cells comprising the ionomers and membranes
US2012129079 A1 20120524	HYET HOLDING B V [NL]	EP20090152913 20090216; EP20090152946 20090216; WO2010EP51864 201002	H01M8/10; C25B1/02; C25B1/12; C25B9/00	HIGH DIFFERENTIAL PRESSURE ELECTROCHEMICAL CELL COMPRISING A SPECIFI
US2012034539 A1 20120209	GEORGE RAYMOND [US]; IYENGAR ARUN K S [US]; DANILA DANIEL [US]; LUNDBERG WAYNE [US]	US20100850109 20100804	H01M8/06	HIGH EFFICIENCY AND RELIABLE FUEL CELL SYSTEM OPERATING AT NEAR 100% FUEL UTILIZATION
KR101140252B B1 20120426	AGENCY DEFENSE DEV [KR]	KR20110104464 20111013	H01M8/04; B01D19/00; H01M8/06	HIGH EFFICIENCY GAS-LIQUID SEPARATOR FOR STAND-ALONE FUEL CELL SYSTEM
KR20120007147 A 20120120	KIM YOUNG KYU [KR]	KR20100067734 20100714	H01M8/02; H01M8/10; H01M8/24	HIGH EFFICIENT MODULE MODE OF THE NON-CATALYTIC WATER FUEL POLYMER CELL MANUFACTURED WITH THE REDUCED RESISTANCE

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JP2012119327 A 20120621	TOHO GAS KK [JP]	JP20120010951 20120123	H01B1/06; C04B35/48; H01M8/02; H01M8/12	HIGH ION-CONDUCTIVITY SOLID ELECTROLYTIC MATERIAL, SINTERED COMPACT, AND SOLID ELECTROLYTE FUEL BATTERY
WO2012088176 A1 20120628	DU PONT [US]; TOYOTA MOTOR CO LTD [JP]; TAKAMI MASAYOSHI [JP]; YOSHI	US201061425101P 20101220	H01M6/18; H01M4/88; H01M8/10; H01M10/0565	HIGH MOLECULAR WEIGHT IONOMERS AND IONICALLY CONDUCTIVE COMPOSITIONS
WO2012012251 A2 20120126	FUELCELL ENERGY INC [US]	US20100840736 20100721	H01M8/14; H01B1/06; H01M8/02	HIGH PERFORMANCE ELECTROLYTE FOR MOLTEN CARBONATE FUEL CELLS
CN102318115 A 20120111	TOYOTA MOTOR CO LTD [JP]	WO2009US58024 20090923; US20080238263 20080925	H01M8/04; H01M8/02	High performance proton exchange membrane (PEM) fuel cell
JP2012033494 A 20120216	SUMITOMO CHEMICAL CO [JP]	JP19990370689 19991227; JP20110169885 20110803	H01B1/06; C08G59/14; C08G59/24; C08G59/62; C08G65/04; C08G65/44; C08G81/00; H01M8/02; H01M8/10	HIGH POLYMER ELECTROLYTE AND METHOD OF MANUFACTURING THE SAME
JP2012057788 A 20120322	TOYOTA MOTOR CO LTD [JP]	JP20100204881 20100913	F17C5/06; F17C13/04; H01M8/04	HIGH PRESSURE GAS SUPPLY SYSTEM
JP2012082869 A 20120426	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100227818 20101007	F17C13/02; H01M8/04; H01M8/06	HIGH PRESSURE TANK FOR FUEL CELL

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US2012082916 A1 20120405	GM GLOBAL TECH OPERATIONS INC [US]	US20100896035 20101001	H01M8/24; F16K31/02; F17C1/00	HIGH PRESSURE TANK VALVE SEALING BY USING THE ELASTIC PROPERTIES OF O-RINGS
KR20120001554 A 20120104	KOREA INST CERAMIC ENG & TECH [KR]; KD SEAL TECH CO LTD [KR]	KR20100061709 20100629	C01B31/02; C04B35/52; H01M2/16; H01M8/02	HIGH STRENGTH CARBON COMPOSITES USING GRAPHENE, MANUFACTURING METHOD THEREOF AND SEPARATOR FOR FUEL CELL USING THE SAME
CN102376961 A 20120314	BeiHang University	CN20101256732 20100818	H01M8/02; C08J5/18; C08L27/16; C08L27/20; C08L39/06; C08L39/08; C08L81/06; H01M2/16	High temperature proton exchange membrane for fuel cell, and preparation method thereof
JP2012091984 A 20120517	MITSUBISHI HEAVY IND LTD [JP]	JP20100242356 20101028	C04B37/00; C04B35/00	HIGH TEMPERATURE SEAL MATERIAL, HIGH TEMPERATURE SEAL BODY AND OXYGE
DE102011010891 A1 20120531	GM GLOBAL TECH OPERATIONS INC [US]	US20100708761 20100219	H01M8/02	High tortuosity diffusion medium
JP2012117151 A 20120621	JAPAN STEEL WORKS LTD	JP20110286339 20111227	C22C14/00; C22C27/02; C22C27/04	HIGH-CAPACITY HYDROGEN STORAGE ALLOY
US2012034538 A1 20120209	FUELCELL ENERGY INC [US]	US201113275524 20111018; US20080194272 20080819	H01M8/06; H01M8/04	HIGH-EFFICIENCY DUAL-STACK MOLTEN CARBONATE FUEL CELL SYSTEM
EP2408048 A1 20120118	NUVERA FUEL CELLS INC [US]	EP20030815008 20031231; US20020335538 20021231	H01M8/00; H01M2/00; H01M2/02; H01M8/04; H01M8/06;	High-efficiency fuel cell power system with power generating expander

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			H01M8/10; H01M8/12; H01M8/14; H01M8/18	
JP2012512810 A 20120607		US20080203073P 20081218; WO2009US68509 20091217	C04B35/46; H01B1/08; H01G4/12; H01M8/02; H01M8/12	HIGHLY SINTERABLE LANTHANUM STRONTIUM TITANATE INTERCONNECTS THROUGH DOPING
JP2012087918 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100237576 20101022	F17C13/00; F17C1/00; F17C5/06	HIGH-PRESSURE GAS TANK AND GAS FILLING METHOD
JP2012021623 A 20120202	MURATA MANUFACTURING CO [JP]	JP20100161629 20100716	F16K31/122; F16K3/02; F16K3/24; H01M8/04	HIGH-PRESSURE SHUT-OFF VALVE, FUEL CARTRIDGE AND FUEL CELL SYSTEM
SU1840821 A1 20120227	UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST VYSOKOTEMPERATURNOJ EHLEKTROKHIMII URAL SKOGO OTDEL RAN [RU]	SU19792255333 19790416	H01M8/00	HIGH-TEMPERATURE BATTERY OF FUEL CELLS

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SU1840819 A1 20120127	UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST VYSOKOTEMPERATURN EHLEKTROKHMII URAL SKOGO OTDEL RAN [RU]	SU19813014826 19810327	H01M8/12	HIGH-TEMPERATURE BATTERY WITH SOLID ELECTROLYTE, METHOD OF ITS FABRICATION AND ELECTRIC-INSULATION LAYER SUBSTANCE USED TO THIS END
SU1840822 A1 20120227	UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST VYSOKOTEMPERATURN EHLEKTROKHMII URAL SKOGO OTDEL RAN [RU]	SU19802291688 19801202	H01M8/12	HIGH-TEMPERATURE CELL
EP2449617 A1 20120509	FRAUNHOFER GES FORSCHUNG [DE]	WO2010EP03798 20100624; DE200910031774 20090630	H01M8/06; C01B3/38; H01M8/04; H01M8/12	HIGH-TEMPERATURE FUEL CELL SYSTEM
EP2462648 A1 20120613	FRAUNHOFER GES FORSCHUNG [DE]	DE200910037145 20090806; WO2010EP04186 20100709	H01M8/04; H01M8/06; H01M8/12	HIGH-TEMPERATURE FUEL CELL SYSTEM HAVING A START BURNER
KR20120035449 A 20120416	KORE INST MACH & AMP MATERIALS [KR]	KR20100096960 20101005	H01M8/04; H01M8/06; H01M8/12; H01M8/14	HIGH-TEMPERATURE POWER GENERATION FUEL CELL SYSTEM USING CATALYTICALLY-ASSISTED COMBUSTOR

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KR20120018139 A 20120229	FDI ENERGY INC [US]	KR20117025958 20090430	H01M8/04; H01M8/10	HIGH-VOLUME-MANUFACTURE FUEL CELL ARRANGEMENT AND METHOD FOR PRODUCITON THEREOF
MX2011011433 A 20120120	FDI ENERGY INC [US]	US	H01M8/04; H01M8/10	HIGH-VOLUME-MANUFACTURE FUEL CELL ARRANGEMENT AND METHOD FOR PRODUCTION THEREOF.
AT556458T T 20120515	ARMINES [FR]	FR20050050696 20050317; WO2006FR50235 20060317	H01M8/12; C01B3/26; C25B1/04; H01M4/86; H01M8/06	HOCHTEMPERATUR-BRENNSTOFFZELLE MIT GEMISCHTER ANIONISCHER UND PROTON
JP2012041616 A 20120301	TOYOTA BOSHOKU CORP [JP]	JP20100185353 20100820	C23C26/00	HOLE CLOSING METHOD FOR METAL FILM AND THE METAL FILM WITH HOLE CLOSED THEREBY
CN102470321 A 20120523	HONDA MOTOR CO LTD [JP]	WO2010JP62171 20100720; JP20090173489 20090724	B01D63/02; B01D53/22; B01D63/00; H01M8/04; H01M8/10	Hollow-fiber membrane module for moisture exchange
KR20120055527 A 20120531	UNIV DENMARK TECH DTU [DK]	EP20070017110 20070831	H01M8/12; H01M8/02	HORIZONTALLY GRADED STRUCTURES FOR ELECTROCHEMICAL AND ELECTRONIC DE
JP2012009228 A 20120112	KYOCERA CORP [JP]; TOKYO GAS CO LTD [JP]	JP20100143026 20100623	H01M8/02; H01M8/12	HORIZONTAL-STRIPE SOLID OXIDE TYPE FUEL BATTERY CELL STACK, HORIZONTAL-STRIPE SOLID OXIDE TYPE FUEL BATTERY BUNDLE AND FUEL BATTERY
JP2012009226 A 20120112	KYOCERA CORP [JP]; TOKYO GAS CO LTD [JP]	JP20100143000 20100623	H01M8/24; H01M8/02; H01M8/12	HORIZONTAL-STRIPE SOLID OXIDE TYPE FUEL BATTERY CELL STACK, HORIZONTAL-STRIPE SOLID OXIDE TYPE FUEL BATTERY BUNDLE AND FUEL BATTERY

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WO2012044273 A1 20120405	UTC POWER CORP [US]; KANDOI SHAMPA [US]; DARLING ROBERT MASON [US]; BAJOREK WILLIAM J [US]	US	H01M4/88; B01D1/02; B05D3/00; H01M8/10	HOT PRESSED, DIRECT DEPOSITED CATALYST LAYER
WO2012004985 A1 20120112	PANASONIC CORP [JP]; HAYASHIDA GAKU	JP20100154564 20100707	F24H1/00; F24H1/18; H01M8/00; H01M10/50	HOT WATER STORAGE-TYPE HOT WATER SUPPLY SYSTEM AND METHOD FOR OPERATING SAME
WO2012080162 A1 20120621	ST MICROELECTRONICS SA [FR]; ST MICROELECTRONICS CROLLES 2 [FR]; MAZOYER PASCALE [FR]; HALIMAOUI AOMAR [FR]	FR20100060638 20101216	H01M8/16; H01G9/02; H01M8/10	HOUSING, IN PARTICULAR FOR A BIOFUEL CELL
KR20120001200 A 20120104	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100061881 20100629	H01M8/04; B60L11/18; F25B21/00	HUMIDIFICATION DEVICE OF FUEL CELL VEHICLE
KR20120018498 A 20120305	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100081365 20100823	H01M8/06; B60L11/08; G01R31/36; H01M8/10	HUMIDIFICATION SYSTEM FOR FUEL CELL
CN102324537 A 20120118	Shanghai Yaoyu Industrial Co., Ltd.	CN20111254614 20110831	H01M8/04	Humidification system of fuel cell

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KR20120009842 A 20120202	AGENCY DEFENSE DEV [KR]	KR20100070647 20100721	H01M8/04; B01D19/00; G05D16/00; H01M8/10	HUMIDIFIER APPARATUS FOR FUEL CELL
CN202268451U U 20120606	Shanghai Hengjin Power Technology Co.,Ltd.	CN20112327062U 20110901	H01M8/04	Humidifier for fuel cell
US2012094197 A1 20120419	HYUNDAI MOTOR CO LTD [KR]	KR20100100066 20101014	H01M8/06	HUMIDIFIER FOR FUEL CELL AND FUEL CELL SYSTEM USING THE SAME AS AUXILIARY HUMIDIFIER
TWM429000U U 20120511	CHEN WEN-CHAO [TW]	TW101200073U 20120103	F04B53/08; F24F6/00	Humidifying and cooling device for air pump
KR20120046474 A 20120510	SCITECH KOREA INC [KR]	KR20100108146 20101102	H01M8/04; B01D61/00; F24F6/00	HUMIDITY APPARATUS FOR FUEL CELL TEST EQUIPMENT AND CONTROL METHOD O
WO2012087265 A1 20120628	UTC POWER CORP [US]; CARNEVALE CHRISTOPHER JOHN [US]; PATTERSON TIMO	US	H01M8/02; H01M4/86; H01M8/10	HYBRID BIPOLAR PLATE FOR EVAPORATIVELY COOLED FUEL CELLS
EP2449229 A2 20120509	ECOLE POLYTECH [CH]	WO2010IB52558 20100609; CH20090001034 20090703	F02C3/28; F02C6/00; H01M8/00	HYBRID CYCLE SOFC - INVERTED GAS TURBINE WITH CO2 SEPARATION
KR20120045913 A 20120509	UNIV KWANGWOON IND ACAD COLLAB [KR]; UNIV KOOKMIN IND ACAD COOP [KR]	KR20100107801 20101101	H01M8/16; B22F3/00; B32B37/10; H01M8/02	HYBRID ELECTRODE FOR NONENZYMATIC BIOFUEL CELL AND MANUFACTURING METH
US2012094196 A1 20120419	HONEYWELL INT INC [US]	US20100903833 20101013	H01M8/06; H01M8/04	HYBRID FUEL CELL

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JP4896298B2 B2 20120314		US19990312514 19990514; WO1999US28508 19991202	G01N27/30; H01M4/96; C25B11/04; C25B13/04; H01M8/10	HYBRID MEMBRANE ELECTRODE ASSEMBLIES
WO2012017348 A1 20120209	BRETON SPA [IT]; DI NOTO VITO [IT]; BOARETTO NICOLA [IT]; NEGRO ENRICO [IT]; BETTIOL MAURO [IT]; BASSETTO FABIO [IT]	IT2010TV00115 20100806	H01M8/10; B01D67/00; B01D71/02; C25B9/08; C25B13/04	HYBRID MEMBRANES CONTAINING TITANIUM DIOXIDE DOPED WITH FLUORINE
CN102498635 A 20120613	SONY CORP [JP]	WO2010JP65992 20100909; JP20090214071 20090916	H02J7/35; H01L31/042; H01M8/00; H01M8/04; H01M10/44; H01M14/00	Hybrid power supply system
EP2454045 A1 20120523	ILLINOIS TOOL WORKS [US]	WO2010US38015 20100609; US20090225030P 20090713; US20100776298 20100	B23K9/10; H01M8/00	HYBRID WELDING SYSTEMS AND DEVICES COMPRISING A FUEL CELL AND AN ENE
GB2482487 A 20120208	ELEMENT ENERGY LTD [GB]	GB20100012990 20100802	G01R31/36; H01M8/04	HYBRIDISATION DEVICE
WO2012030324 A1 20120308	UTC POWER CORP [US]; MITTAL VISHAL ONKARMAL [IN]; DARLING ROBERT MASON [US]	US	H01M8/04; G05D7/00; H01M8/02; H01M8/10	HYDRATING A FUEL CELL

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CN102369620 A 20120307	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04; G01N27/00; H01M8/10	Hydrogen concentration measuring device and fuel cell system
US2012040264 A1 20120216	GM GLOBAL TECH OPERATIONS INC [US]	US20100854832 20100811	H01M8/04; G01M15/10; H01M8/24	HYDROGEN CONCENTRATION SENSOR UTILIZING CELL VOLTAGE RESULTING FROM HYDROGEN PARTIAL PRESSURE DIFFERENCE
CN102437351 A 20120502	JS POWER INC [CN]	CN20111257850 20110902	H01M8/04; H02M1/12; H02M1/14	Hydrogen energy power generation system based on filtering of output filter
CN102431969 A 20120502	JS POWER INC [CN]	CN20111263009 20110907	C01B3/06; C01B3/52; C01B3/56; H01M8/06	Hydrogen energy power generation system based on hydrogen gas purification component and vacuum pumping technology
US2012135325 A1 20120531	SMITH JR PAUL H [US]	US20080212571 20080917; US20070973369P 20070918; US20080022572P 2008	B01J19/08; H01M8/06	HYDROGEN ENERGY SYSTEMS
JP2012046103 A 20120308	HONDA MOTOR CO LTD [JP]	JP20100191002 20100827	B60K15/10; B01J31/04; C01B3/08; F02M21/02; H01M8/00; H01M8/06	HYDROGEN ENERGY VEHICLE
EP2402469 A1 20120104	NAT INST OF ADVANCED IND SCIEN [JP]	WO2010JP51245 20100129; JP20090043183 20090225	C22C38/00; C21D8/00; C22C38/14; H01M8/02	HYDROGEN FATIGUE RESISTANT FERRITE STEEL AND MANUFACTURING METHOD THEREOF

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US2012135329 A1 20120531	HYET HOLDING B V [NL]	EP20090152913 20090216; WO2010NL50063 20100210	H01M8/04; B65B3/04; F02B43/00; F15B21/00	HYDROGEN FED POWER SYSTEM AND METHOD FOR GENERATING POWER
CN102340013 A 20120201	HONDA MOTOR CO LTD [JP]	JP20100162699 20100720	H01M8/04; F17C5/06	Hydrogen filling system and method of operating the same
WO2012017665 A1 20120209	KAWASAKI HEAVY IND LTD [JP]; NISSAN MOTOR [JP]; NOMICHI KAORU; SUZUKI YUTAKA; NINOMIYA MAKOTO; SHINOHARA MIKIYA; ODASHIMA MASATO	JP20100177857 20100806	F16K31/06; H01M8/04	HYDROGEN GAS SUPPLY DEVICE OF FUEL CELL SYSTEM
JP2012020898 A 20120202	PANASONIC CORP [JP]	JP20100159472 20100714	C01B3/38; C01B3/32; H01M8/06	HYDROGEN GENERATING APPARATUS AND FUEL CELL SYSTEM PROVIDED WITH THE SAME
JP2012116666 A 20120621	PANASONIC CORP [JP]	JP20100264823 20101129	C01B3/38; H01M8/06	HYDROGEN GENERATING APPARATUS AND FUEL CELL SYSTEM PROVIDED WITH THE SAME
US2012040261 A1 20120216	HITACHI SHIPBUILDING ENG CO [JP]; TOYOTA MOTOR CO LTD [JP]	JP20090093167 20090407; WO2010JP54614 20100311	H01M8/06; B01J7/00; C01B3/04; F02B43/10	HYDROGEN GENERATING APPARATUS AND HYDROGEN GENERATING METHOD

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EP2420472 A1 20120222	PANASONIC CORP [JP]	WO2009JP06290 20091120; JP20080296969 20081120; JP20090021338 20090202	C01B3/38; H01M8/04; H01M8/06	HYDROGEN GENERATION AND FUEL CELL SYSTEM COMPRISING THE SAME
CN102487146 A 20120606	YOUNG GREEN ENERGY CO [TW]	CN20101576404 20101202	H01M8/06; C01B3/02	Hydrogen generation apparatus
JP2012046421 A 20120308	SEIKO INSTR INC [JP]	JP20110225373 20111012	C01B3/06; H01M8/04; H01M8/06	HYDROGEN GENERATION APPARATUS AND FUEL CELL SYSTEM
KR20120030329 A 20120328	PANASONIC CORP [JP]	JP20090139745 20090611	C01B3/38; B01J19/24; H01M8/06	HYDROGEN GENERATION APPARATUS, AND METHOD FOR OPERATION THEREOF
EP2407420 A1 20120118	PANASONIC CORP [JP]	WO2010JP01350 20100226; JP20090054557 20090309	C01B3/38; H01M8/06	HYDROGEN GENERATION APPARATUS, METHOD FOR MANUFACTURING SAME, AND FUEL CELL SYSTEM UTILIZING SAME
WO2012010639 A1 20120126	EADS DEUTSCHLAND GMBH [DE]; STEINWANDEL JUERGEN [DE]; GODULA- JOPEK AGATA [DE]; WOLFF CHRISTIAN [DE]	DE201010032075 20100723	H01M8/06; B64D27/02; B64D27/24; C01B3/04; H01M8/00	HYDROGEN GENERATION BY MEANS OF HYDROGENATED POLYSILANES FOR OPERATING FUEL CELLS
EP2433904 A1 20120328	PANASONIC CORP [JP]	WO2010JP03321 20100518; JP20090121654 20090520	C01B3/38; H01M8/06	HYDROGEN GENERATION DEVICE AND FUEL CELL SYSTEM

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WO2012017642 A1 20120209	PANASONIC CORP [JP]; NAKAJIMA TOMOYUKI [JP]; WAKITA HIDENOBU [JP]; FUJIHARA SEIJI [JP]; KANI YUKIMUNE [JP]	JP20100174060 20100803	C01B3/38; C01B3/58; H01M8/00; H01M8/04; H01M8/06	HYDROGEN GENERATION DEVICE AND FUEL CELL SYSTEM
EP2420473 A1 20120222	PANASONIC CORP [JP]	WO2010JP01645 20100309; JP20090100521 20090417; JP20100048274 20100304	C01B3/38; H01M8/04; H01M8/06	HYDROGEN GENERATION DEVICE AND FUEL CELL SYSTEM EQUIPPED WITH SAME
WO2012029322 A1 20120308	PANASONIC CORP [JP]; SANO HIDEHARU; TAGUCHI KIYOSHI; TATSUI HIROSHI	JP20100196395 20100902	C01B3/38; H01M8/06	HYDROGEN GENERATION DEVICE AND FUEL CELL SYSTEM EQUIPPED WITH SAME
US2012045388 A1 20120223	YOUNG GREEN ENERGY CO [TW]	CN20101258192 20100818	C01B3/04; H01M8/06	HYDROGEN GENERATION DEVICE AND HYDROGEN GENERATION METHOD
EP2415707 A1 20120208	PANASONIC CORP [JP]	WO2010JP02324 20100330; JP20090082943 20090330; JP20090082944 20090330	C01B3/38; H01M8/04; H01M8/06; H01M8/10	HYDROGEN GENERATION DEVICE, FUEL BATTERY SYSTEM, AND METHOD FOR OPERATING HYDROGEN GENERATION DEVICE
US2012156574 A1 20120621	KANDASWAMY DURAIWAMY [US]; CHELAPPA ANAND S [US]; KNOBBE MACK [US]	US201113324828 20111213; US20100423426P 20101215	H01M8/06; B01J7/00; C01B3/38	HYDROGEN GENERATION HAVING CO2 REMOVAL WITH STEAM REFORMING

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CN102479967 A 20120530	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101566974 20101130	H01M8/06; C01B3/34; C01B3/36; C01B3/48; C01B3/50	Hydrogen generation integration system for on-site provision of hydrogen for kW-scale fuel cell
EP2433903 A1 20120328	PANASONIC CORP [JP]	WO2010JP03451 20100521; JP20090123124 20090521	C01B3/04; H01M8/00; H01M8/06; H01M8/10	HYDROGEN GENERATION SYSTEM AND HOT WATER PRODUCTION SYSTEM
US2012121996 A1 20120517	ARDICA TECHNOLOGIES INC [US]	US201213356582 20120123; US20090501675 20090713; US20050202598 20050	H01M8/06	HYDROGEN GENERATOR
EP2442393 A1 20120418	HONEYWELL INT INC [US]	US20100903901 20101013	H01M8/06; C01B3/06; H01M16/00	Hydrogen generator
CN102308027 A 20120104	Hydrogen Works SL	WO2010ES70020 20100118; ES20090000163 20090121	C25B1/04; B01D67/00; H01M8/10	Hydrogen generator
US2012040256 A1 20120216	KANI YUKIMUNE [JP]; WAKITA HIDENOBU [JP]; FUJIHARA SEIJI [JP]; NAKAJIMA TOMOYUKI [JP]	JP20090294155 20091225; JP20100039700 20100225; WO2010JP07521 20101224	H01M8/06; B01J8/00	HYDROGEN GENERATOR AND FUEL CELL SYSTEM
JP2012046395 A 20120308	PANASONIC CORP [JP]	JP20100192010 20100830	C01B3/38; H01M8/04; H01M8/06; H01M8/10	HYDROGEN GENERATOR AND FUEL CELL SYSTEM

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JP2012041238 A 20120301	PANASONIC CORP [JP]	JP20100185420 20100820	C01B3/38; H01M8/06	HYDROGEN GENERATOR AND FUEL CELL SYSTEM
JP2012096979 A 20120524	PANASONIC CORP [JP]	JP20100225329 20101005; JP20110046238 20110303	C01B3/38; H01M8/04; H01M8/06	HYDROGEN GENERATOR AND FUEL CELL SYSTEM HAVING THE SAME
JP2012513372 A 20120614		US20080140313P 20081223; WO2009US69239 20091222	C01B3/06; B01J23/89	HYDROGEN GENERATOR WITH AEROGEL CATALYST
EP2455335 A1 20120523	PANASONIC CORP [JP]	WO2010JP01427 20100302; JP20090048068 20090302	C01B3/38; H01M8/04; H01M8/06	HYDROGEN GENERATOR, FUEL CELL SYSTEM COMPRISING THE SAME, AND METHOD
JP2012030990 A 20120216	PANASONIC CORP [JP]	JP20100169981 20100729	C01B3/38; H01M8/04; H01M8/06	HYDROGEN GENERATOR, FUEL CELL SYSTEM HAVING THE SAME AND METHOD FOR OPERATING HYDROGEN GENERATOR
JP4904348B2 B2 20120328		JP20060170006 20060620; WO2007JP62344 20070619; JP20080522476 20070619	C01B3/38; H01M8/04; H01M8/06	HYDROGEN GENERATOR, FUEL CELL SYSTEM, AND METHODS FOR OPERATING THEM
WO2012083209 A2 20120621	UNIV FLORIDA [US]; RINZLER ANDREW GABRIEL [US]; DAS RAJIB KUMAR [US]	US201061424323P 20101217	H01M4/90; B82B3/00; H01L31/042; H01M4/88; H01M8/04	HYDROGEN OXIDATION AND GENERATION OVER CARBON FILMS
CN102315468 A 20120111	JS POWER INC [CN]	CN20111253380 20110831	H01M8/04; H02J7/00	Hydrogen power generation device based on vacuum contactor control

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JP2012056806 A 20120322	PANASONIC CORP [JP]	JP20100202586 20100910	C01B3/38	HYDROGEN PRODUCTION APPARATUS
JP2012082088 A 20120426	PANASONIC CORP [JP]	JP20100228286 20101008	C01B3/38; H01M8/06	HYDROGEN PRODUCTION APPARATUS, AND FUEL CELL POWER GENERATION APPARATUS HAVING HYDROGEN PRODUCTION APPARATUS
US2012129064 A1 20120524	TECHNION RES & DEV FOUNDATION [IL]	US201013387841 20100802; US20090230765P 20090803; US20100294527P 201	H01M8/06; B01J7/00; B23P17/04; C01B3/02; C01B3/48	HYDROGEN PRODUCTION BY AN AUTOTHERMAL HEAT EXCHANGER PACKED-BED MEMB
JP2012117140 A 20120621	TAKASAGO THERMAL ENGINEERING	JP20100270763 20101203	C25B9/00; C25B1/02; H01M8/02; H01M8/06	HYDROGEN PRODUCTION CELL AND APPARATUS FOR PRODUCING HYDROGEN
EP2412666 A1 20120201	PANASONIC CORP [JP]	WO2010JP02071 20100324; JP20090073348 20090325	C01B3/38; H01M8/04; H01M8/06	HYDROGEN PRODUCTION DEVICE, FUEL CELL SYSTEM PROVIDED WITH SAME, METHOD FOR OPERATING HYDROGEN PRODUCTION DEVICE, AND METHOD FOR OPERATING FUEL CELL SYSTEM

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US2012058403 A1 20120308	IDATECH LLC [US]	US201113295618 20111114; US20100909265 20101021; US20090426851 20090420; US20080189378 20080811; US20070726387 20070320; US20060441931 20060525; US20040989907 20041115; US20030728473 20031205; US20030430110 20030505; US20030371597 20030220; US20010027509	B01J19/00; H01M8/06	HYDROGEN PURIFICATION MEMBRANES, COMPONENTS AND FUEL PROCESSING SYSTEMS CONTAINING THE SAME
WO2012067612 A1 20120524	AZUR ENERGY LLC [US]; EDLUND DAVID [US]	US	C01B3/50; B01D69/06; B01D71/02; H01M8/06	HYDROGEN PURIFIER
US2012021311 A1 20120126	ISIS INNOVATION [GB]	GB20070015649 20070810; WO2008GB02699 20080808	H01M8/10; C01B6/06; H01M8/00; H01M8/04; H01M8/06; H01M10/0562	Hydrogen Storage Material

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KR101154599B B1 20120608	HYUNDAI MOTOR CO LTD [KR]	KR20100123770 20101206	B60L11/18; B60K15/03; H01M8/04	HYDROGEN STORAGE SYSTEM FOR VEHICLE AND HYDROGEN STORAGE METHOD THER
US2012100446 A1 20120426	UNIV ILLINOIS [US]	US201013147393 20100208; US20090151141P 20090209; WO2010US23466 20100208	H01M8/06; B01J19/10	Hydrogen Storage Using Hydrocarbon Nanostructures and Sonication
US2012058409 A1 20120308	GM GLOBAL TECH OPERATIONS INC [US]	US20100875279 20100903	H01M8/04; F16K7/00; F17C1/00	HYDROGEN/GAS PRESSURE CONTROLLED HIGH PRESSURE TANK VALVES ARCHITECTURE
JP2012056805 A 20120322	PANASONIC CORP [JP]	JP20100202584 20100910	C01B3/38	HYDROGEN-GENERATING APPARATUS
JP2012056807 A 20120322	PANASONIC CORP [JP]	JP20100202587 20100910	C01B3/38; H01M8/06	HYDROGEN-GENERATING APPARATUS AND FUEL CELL SYSTEM PROVIDED WITH THE SAME
JP2012508093 A 20120405		US20080140313P 20081223; US20080110780P 20081103; WO2009US63108 20091103	B01J7/00; C01B3/00; C01B3/04; C01B3/06; H01M8/04; H01M8/06	HYDROGEN-GENERATING FUEL CELL CARTRIDGES
JP4947718B2 B2 20120606		JP20050233648 20050811; JP20050318881 20051101; JP20060140690 200605	C01B3/08	HYDROGEN-GENERATING MATERIAL AND HYDROGEN GENERATION APPARATUS

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WO2012026116 A1 20120301	PANASONIC CORP [JP]; NAKAJIMA TOMOYUKI [JP]; WAKITA HIDENOBU [JP]; FUJIHARA SEIJI [JP]; KANI YUKIMUNE [JP]	JP20100188195 20100825	C01B3/48; C01B3/38; H01M8/06	HYDROGEN-PURIFICATION APPARATUS AND FUEL- CELL SYSTEM USING SAME
US2012100461 A1 20120426	NISSAN MOTOR [JP]	JP20090153012 20090626; WO2010JP60825 20100625	H01M8/04; B05D5/12	HYDROPHILIC POROUS LAYER FOR FUEL CELLS, GAS DIFFUSION ELECTRODE AND MANUFACTURING METHOD THEREOF, AND MEMBRANE ELECTRODE ASSEMBLY
CN102447125 A 20120509	Si Yinkui	CN20101506775 20101010	H01M8/10; B82Y40/00; C04B35/48; C04B35/626	Hydro-thermal synthesis method for nanometer YSZ (Yttria-Stabilized Zirconia) serving as electrolyte material of solid oxide fuel cell
AT543857T T 20120215	SAMSUNG ELECTRONICS CO LTD [KR]; SNU R&DB FOUNDATION [KR]	KR20080128180 20081216	C08G83/00; C08G65/44; C08G73/06; H01M8/00	HYPERVERZWEIGTES POLYMER, ELEKTRODE FÜR BRENNSTOFFZELLEN MIT DEM HYPERVERZWEIGTEN POLYMER,ELEKTROLYTMEMBRAN FÜR BRENNSTOFFZELLEN MIT DEM HYPERVERZWEIGTEN POLYMER UND BRENNSTOFFZELLE MIT MINDESTENS EINER ELEKTRODE UND DER ELEKTROLYTMEMBRAN
JP2012108517 A 20120607	CANON KK [JP]	JP20110262145 20111130	G03B17/00; G03B17/02; H01M8/00; H01M8/04; H04N5/225	IMAGING APPARATUS
CN102516531 A 20120627	Shanghai University	CN20111431334 20111221	C08G65/48; C08J7/12; C08L71/08; H01M2/16;	Imidazole-ionic-liquid-grafted SPEEK proton exchange membrane material and preparation method thereof

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			H01M8/02	
AT551747T T 20120415	EPPS SPENCER J G [US]	US20060797680P 20060505; WO2007US11144 20070507	H01M8/16; A61B5/145; H01M8/04	IMPLANTIERBARES GALAVANISCHES ELEMENT
JP2012500462 A 20120105		GB20080015312 20080821; GB20080015535 20080826; US20080090947P 20080822; WO2009GB02059 20090820	H01M8/04; H01M8/02; H01M8/12; H01M8/24	IMPROVED FUEL CELL STACK FLOW HOOD AIR FLOW USING AN AIR DISTRIBUTION DEVICE
CN102334222 A 20120125	WAERTSILAE FINLAND OY [FI]	WO2010FI50117 20100222; FI20090005190 20090226	H01M8/04	Improved fuel flexibility configuration in high temperature fuel cell systems
WO2012085245 A1 20120628	SOLVICORE GMBH & CO KG [DE]; SUCHSLAND JENS-PETER [DE]; BINDER MATTH	EP20100016032 20101223	H01M4/90; H01M4/92; H01M8/10	IMPROVED MEMBRANE ELECTRODE ASSEMBLIES FOR PEM FUEL CELLS
CN102341943 A 20120201	BASF SE [DE]	WO2010EP01315 20100303; EP20090003257 20090306	H01M4/86; H01M8/02; H01M8/10	IMPROVED MEMBRANE ELECTRODE UNITS

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CN102484268 A 20120530	GM GLOBAL TECH OPERATIONS INC [US]	WO2010US42034 20100715; US20090504791 20090717	H01M8/04; F16K17/30; F17D1/04; H01M8/10	Improved seal performance for hydrogen storage and supply systems
JP2012028346 A 20120209	UNIV COURT OF UNIV OF ST ANDREWS	GB20010025276 20011020	H01M4/88; H01M8/02; B05D5/12; B32B18/00; C04B35/486; C25B9/00; H01M4/00; H01M8/00; H01M8/10; H01M8/12; H01M8/24	IMPROVEMENT OF FUEL CELL AND RELATED DEVICE
CN102437355 A 20120502	Nanjing University;Kunshan Innovation Institute of Nanjing University;Kunshan Sunlaite New Energy Technology Co., Ltd.	CN20111403625 20111208	H01M8/04; H01M8/06; H01M8/22	Independent power supply system of hydrogen fuel cell
CN102468510 A 20120523	University of Science and Technology, Beijing	CN20101548955 20101118	H01M8/20	Indirect methanol fuel cell device based on heteropoly compound energy storage
JP2012037076 A 20120223	PANASONIC CORP [JP]	JP20100175013 20100804	F24H1/00	INFORMATION OUTPUT DEVICE OF COGENERATION DEVICE
US2012094210 A1 20120419	BASF SE [DE]	EP20090164798 20090707; WO2010EP59597 20100706	H01M8/10; B01J37/30; H01M4/90	INK COMPRISING POLYMER PARTICLES, ELECTRODE, AND MEA

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KR20120044384 A 20120507	BASF SE [DE]	EP20090168366 20090821	H01M4/88; B01J23/40; B01J35/12; H01M8/02	INORGANIC AND/OR ORGANIC ACID-CONTAINING CATALYST INK AND USE THEREO
KR20120045003 A 20120508	E M W ENERGY CO LTD [KR]	KR20127002926 20090427	H01M8/02; H01M8/04	INORGANIC CONDUCTIVE MEMBRANE, FUEL CELL CONTAINING THE SAME, AND ME
WO2012036653 A1 20120322	UTC POWER CORP [US]; RAMASWAMY SITARAM [US]; YADHA VENKATESHWARLU [US]; WILSON MATTHEW P [US]	US	H01M8/04; B60K6/28; B60L11/18; H01M8/00	IN-SERVICE FUEL CELL PERFORMANCE RECOVERY
JP2012002569 A 20120105	NIPPON TELEGRAPH & TELEPHONE	JP20100135963 20100615	G01B11/30; G01N21/88; H01M8/04; H01M8/10	INSPECTION METHOD AND INSPECTION SYSTEM
JP2012059485 A 20120322	DAINIPPON PRINTING CO LTD [JP]	JP20100200571 20100908	H01M8/04; H01M8/02	INSPECTION METHOD OF METAL SEPARATOR FOR FUEL CELL
KR20120021337 A 20120309	AGENCY DEFENSE DEV [KR]	KR20100057871 20100618	B63G8/08; B65D90/04; F17C11/00; H01M8/04	INSULATION COVER OF CYLINDER STORED HYDROGEN FOR FUEL CELL IN SUBMARINE
KR20120045815 A 20120509	HYUNDAI MOTOR CO LTD [KR]	KR20100107632 20101101	H01M8/02; H01B3/18; H01M8/24	INSULATION SHEET FOR FUEL CELL STACK
JP2012501042 A 20120112		AU20080904314 20080822; WO2009AU01078 20090821	H01M12/08; H01M8/18; H01M8/24; H01M12/06	INTEGRAL MANIFOLD

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CA2758377 A1 20120518	ACUMENTRICS CORP [US]	US20100949248 20101118	H01M8/04; H01M8/06	INTEGRAL REACTOR SYSTEM AND METHOD FOR FUEL CELLS
CN102308423 A 20120104	TOYOTA MOTOR CO LTD [JP]	WO2009IB07721 20091211; JP20090022850 20090203	H01M8/06; B01D45/00; H01M8/04	Integrated apparatus of gas-liquid separator and diluter
CN102447122 A 20120509	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101505241 20101013	H01M8/04; H01M8/06	Integrated catalytic combustion evaporator
CN102361091 A 20120222	DONGFANG ELECTRIC CORP	CN20111327822 20111025	H01M8/02; H01M8/18	Integrated electrode collector plate, manufacturing method thereof and flow battery comprising same
EP2452386 A2 20120516	BLOOM ENERGY CORP [US]	WO2010US41221 20100707; US20090458356 20090708	H01M8/02	INTEGRATED FUEL CELL SYSTEM WITH AUXILIARY POWER DELIVERY
US2012062166 A1 20120315	BATTELLE MEMORIAL INSTITUTE [US]	US201013320617 20100521; US20090180606P 20090522; WO2010US35749 20100521	H01M10/46; H01M8/06	Integrated Fuel Processor and Fuel Cell System Control Method
CN102447124 A 20120509	GM GLOBAL TECH OPERATIONS INC [US]	US20100894831 20100930	H01M8/04; B60K1/04	Integrated pressure vessels for vehicular applications
CN102315466 A 20120111	CHINA ELECTRIC POWER RES INST	CN20111240412 20110819	H01M8/04; H01M8/24	Integrated system of flow battery electric pile group
CN102315467 A 20120111	CHINA ELECTRIC POWER RES INST	CN20111240421 20110819	H01M8/04; H01M8/24	Integrated system of flow battery liquid storage tank

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AU2010292313 A1 20120412	OHIO STATE UNIVERSITY RESEACH FOUNDATION	US20090240508P 20090908; WO2010US48125 20100908	C01B3/34; C01B3/06	Integration of reforming/water splitting and electrochemical systems for power generation with integrated carbon capture
CN102332590 A 20120125	GM GLOBAL TECH OPERATIONS INC [US]	US20100797485 20100609	H01M8/04; G01B21/32	Integration of strain gauges at inner- and outer liner of a high pressure tank to indicate discharge limit point
CN202275890U U 20120613	CHINA ELECTRIC POWER RES INST	CN20112303053U 20110819	H01M8/24; H01M8/16	Integration system of flow battery pile groups
CN202275889U U 20120613	CHINA ELECTRIC POWER RES INST	CN20112303057U 20110819	H01M8/04	Integration system of liquid flow battery liquid storage tank
CN202221797U U 20120516	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20112337912U 20110909	H01M8/24	Integrative vanadium liquid flow battery box plate and electric-pile made of same
DE102011104948 A1 20120322	GM GLOBAL TECH OPERATIONS INC [US]	US20100821701 20100623	H01M8/02	Integrierte Brennstoffzellenanordnung und Verfahren zur Herstellung derselben
CN202121013U U 20120118	Anhui Shuori Photoelectric Technology Co., Ltd.	CN20112153343U 20110513	H01M8/04; G01R31/36	Intelligent on-line monitoring management system of large capacity vanadium ion redox flow battery
US2012064436 A1 20120315	SAMSUNG ELECTRO MECH [KR]	KR20100089215 20100913	H01M8/12; H01M4/04; H01M4/66	INTERCONNECTING PLATE FOR SOLID OXIDE FUEL CELL AND MANUFACTURING METHOD THEREOF, AND SOLID OXIDE FUEL CELL USING THE INTERCONNECTING PLATE
EP2408049 A1 20120118	SAMSUNG SDI CO LTD [KR]	KR20100069034 20100716	H01M8/02; H01M8/12; H01M8/24	Interconnector and fuel cell having the same

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DE102011051440 A1 20120510	INNOVATIONS UND INFORMATIONSZENTRUM SCHNEIDEN UND FUEGEN E V [DE]	DE201110051440 20110629	H01M8/02	Inter-connector manufacturing method for high temperature fuel cell,
EP2466594 A1 20120620	PALO ALTO RES CT INC [US]	US20100972384 20101217	H01B1/00; B29C47/06; B29C47/70; H01M4/04; H01M4/86; H01M6/40; H01M8/10	Interdigitated electrode structure
TWM426947U U 20120411	NAT UNIV CHIN YI TECHNOLOGY [TW]	TW100223178U 20111208	H02M3/00; H01M8/04	Interleaved dc-dc converter
US2012164560 A1 20120628	GM GLOBAL TECH OPERATIONS INC [US]	US201213412015 20120305; US20080050652 20080318	H01M8/04	INTERLOCKABLE BEAD SEAL
CN102375122 A 20120314	Suzhou Qingjie Power Supply Technology Co., Ltd.	CN20101248145 20100809	G01R31/36; H01M8/04	Intermediate-power and low-power proton exchange membrane fuel cell test system
JP4937584B2 B2 20120523		JP20040025121 20040202; JP20040245546 20040825; WO2005JP01861 200502	B01J23/755; B01J23/74; B01J25/02; B01J35/02; B01J37/18; C01B3/32	INTERMETALLIC COMPOUND Ni ₃ Al CATALYST FOR METHANOL REFORMING AND METHOD FOR REFORMING METHANOL USING SAME
KR20120050319 A 20120518	POSTECH ACAD IND FOUND [KR]	KR20100111750 20101110	H01M8/06; H01M8/02; H01M8/12; H01M8/14	INTERNAL REFORMING TYPE FUEL CELL USING HYDROGEN AND HYDROGEN CONTAI

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EP2406846 A2 20120118	FUELCELL ENERGY INC [US]	WO2010US26647 20100309; US20090158712P 20090309	H01M8/06; C01B3/02; H01M8/04	INTERNALLY REFORMING FUEL CELL ASSEMBLY WITH STAGED FUEL FLOW AND SELECTIVE CATALYST LOADING FOR IMPROVED TEMPERATURE UNIFORMITY AND EFFICIENCY
KR20120017062 A 20120227	ELECTRICITE DE FRANCE [FR]; UNIV CERGY PONTOISE [FR]	FR20090053021 20090506	C08J3/24; C08L71/03; H01M4/86; H01M8/10	INTERPENETRATING NETWORK OF ANION- EXCHANGE POLYMERS, PRODUCTION METHOD THEREOF AND USE OF SAME
WO2012051693 A1 20120426	CONSPEC CONTROLS LTD [CA]; ZHAO JIAN [CA]; BROOKS CLIVE [AU]	CA	H02J9/06; E21D17/06; H01M8/00; H02H5/04; H02J7/00	INTRINSICALLY SAFE BACKUP POWER SUPPLY FOR COMBUSTIBLE ENVIRONMENTS
KR20120041645 A 20120502	HANNAM UNIVERSITY INST FOR INDUSTRY ACADEMIA COOPERATION [KR]	KR20100102775 20101021	H01M8/02; C08J5/22; C08J7/04; H01M8/10	ION CONDUCTIVE COMPOSITE MEMBRANE, PREPARATION METHOD THEREOF, MEMBR
JP4937449B2 B2 20120523		IL19980123419 19980224; IL19980126830 19981030; WO1999IL00109 199902	B23P19/00; C08J5/20; C08J5/22; C25B11/04; C25B13/00; C25B13/04; H01B1/06; H01M12/06; H01M2/16; H01M4/04; H01M4/32; H01M4/42; H01M4/50;	ION CONDUCTIVE MATRIXES AND THEIR USE

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			H01M4/86; H01M6/00; H01M6/06; H01M6/18; H01M8/02	
JP2012123935 A 20120628	TOKYO INST TECH [JP]; TOPPAN PRINTING CO LTD	JP20100271553 20101206	H01M8/02; H01B1/06; H01M4/86; H01M8/10	ION CONDUCTIVE POLYELECTROLYTE FORMING ĩ STACK, POLYELECTROLYTE MEMBRANE USING THE SAME, MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL
KR20120016059 A 20120222	DOW GLOBAL TECHNOLOGIES LLC [US]	KR20117024838 20090324	H01M8/04; B01D39/00; B01J47/02; H01M8/06	ION EXCHANGE FILTER FOR FUEL CELL SYSTEM
EP2412051 A1 20120201	DOW GLOBAL TECHNOLOGIES LLC [US]	US	H01M8/06; H01M8/04	ION EXCHANGE FILTER FOR FUEL CELL SYSTEM
CN202150514U U 20120222	SHENZHEN HYDROGEN POWER TECHNOLOGY CO LTD	CN20112202173U 20110615	H01M8/02; H01M2/16; H01M2/18	Ion exchange membrane used for zinc-bromine flow battery
KR20120062556 A 20120614	HYUNDAI MOTOR CO LTD [KR]	KR20100123858 20101206	H01M8/04; B60H1/00; B60H1/03; B60H1/22	ION FILTER DEVICE IN FUEL CELL ELECTRIC VEHICLE

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CN102437349 A 20120502	Institute of Metal Research Chinese Academy of Sciences	CN20111414233 20111210	H01M8/02; H01M2/16	Ion liquid reinforced film for vanadium ion redox flow battery and preparation method thereof
US2012040269 A1 20120216	UNIV ROCHESTER [US]	US201113213566 20110819; US201113083737 20110411; US20090392150 20090225; US20080031492P 20080226; US20080101314P 20080930	H01M8/10; B05D5/12	ION/PROTON-CONDUCTING APPARATUS AND METHOD
CN102473933 A 20120523	SONY CORP [JP]	WO2010JP62236 20100721; JP20090180513 20090803	H01M8/02; H01B1/06; H01M8/10	Ion-conducting composite electrolyte membrane and fuel cell using the same
US2012100458 A1 20120426	SONY CORP [JP]	JP20090166293 20090715; WO2010JP61512 20100707	H01M8/10; C07F7/18; C07F9/30; C07F9/48	ION-CONDUCTING MICROPARTICLE AND METHOD OF MANUFACTURING THE SAME, ION-CONDUCTING COMPOSITE, MEMBRANE ELECTRODE ASSEMBLY (MEA), AND ELECTROCHEMICAL DEVICE
US2012115065 A1 20120510	SONY CORP [JP]	JP20090170930 20090722; WO2010JP62482 20100716	H01M8/10; B05D5/12	ION-CONDUCTIVE COMPOSITE ELECTROLYTE, MEMBRANE-ELECTRODE ASSEMBLY US
US2012094209 A1 20120419	SONY CORP [JP]	JP20090156559 20090701; WO2010JP61223 20100624	H01M8/10	ION-CONDUCTIVE COMPOSITE, MEMBRANE ELECTRODE ASSEMBLY (MEA), AND ELECTROCHEMICAL DEVICE

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AT550359T T 20120415	TOKUYAMA CORP [JP]	JP20070148850 20070605; WO2008JP60392 20080605	C08F8/04; C08F8/24; C08F8/32; C08F8/44; C08F297/04; H01M8/10	IONENLEITFÄHIGKEITSVERMITTLER UMFASSEND KOHLENWASSERSTOFFELASTOMER, DAS ZUM AUSTAUSCH VON ANIONEN VOM OH-TYP BEFÄHIGT IST, UND HERSTELLUNGSVERFAHREN DAFÜR
AU2010311123 A1 20120524	ITM POWER RESEARCH LTD [GB]	GB20090019208 20091102; GB20100010210 20100617; WO2010GB51812 201010	B01D67/00; H01M8/10	Ionic membrane preparation
JP2012107219 A 20120607	ASAHI CHEMICAL CORP	JP20100243088 20101029; JP20110230748 20111020	C08F8/34; C08F210/00; C08F212/06; H01M10/0565	IONIC POLYMER
JP2012076987 A 20120419	HYOGO PREFECTURAL GOVERNMENT [JP]; NIPPON ELECTRIC GLASS CO [JP]	JP20100199014 20100906; JP20110189902 20110831	C03C4/00; C03C3/062; C03C3/097; H01B1/06; H01B13/00; H01M8/02	IONICALLY CONDUCTIVE MATERIAL AND METHOD FOR PRODUCING THE SAME

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WO2012033050 A1 20120315	HYOGO PREFECTURAL GOVERNMENT [JP]; NIPPON ELECTRIC GLASS CO [JP]; YAZAWA TETSUO [JP]; DAIKO YUSUKE [JP]; YAMADA TAKESHI [JP]; TAKASE HIRONORI [JP]; YAMAZAKI HIROKI [JP]	JP20100199015 20100906; JP20100199014 20100906	C03C4/14; C03C3/062; C03C3/097; C03C3/16; H01B1/06; H01B1/08	IONICALLY CONDUCTIVE MATERIAL AND PROCESS FOR PRODUCING SAME
JP2012076988 A 20120419	HYOGO PREFECTURAL GOVERNMENT [JP]; NIPPON ELECTRIC GLASS CO [JP]	JP20100199015 20100906; JP20110189904 20110831	C03C4/00; C03C3/062; C03C3/097; H01M8/02	IONICALLY CONDUCTIVE THIN FILM MATERIAL AND METHOD FOR PRODUCING THE SAME
WO2012088166 A1 20120628	DU PONT [US]; PERRY RANDAL L [US]; ROELOFS MARK GERRIT [US]; WHELAND	US201061425088P 20101220	C07C9/10; C08F8/00; C08F216/12; C08F234/02; C08G61/00; H01M8/02	IONOMERS AND IONICALLY CONDUCTIVE COMPOSITIONS
WO2012088170 A1 20120628	DU PONT [US]; TOYOTA MOTOR CO LTD [JP]; TAKAMI MASAYOSHI [JP]; YOSHI	US201061425094P 20101220	H01M8/10; H01M4/86	IONOMERS AND IONICALLY CONDUCTIVE COMPOSITIONS FOR USE AS ONE OR MOR

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WO2012078513 A2 20120614	UNIV CORNELL [US]; COATES GEOFFREY W [US]; NOONAN KEVIN [US]	US20100419846P 20101205	C08F30/02; C08G79/02; H01M4/86; H01M8/02; H01M8/10	IONOMERS AND METHODS OF MAKING SAME AND USES THEREOF
US2012064419 A1 20120315	JOHNSON RES AND DEV COMPANY INC [US]	US20100878397 20100909	H01M8/06	JOHNSON AMBIENT-HEAT ENGINE
JP2012026477 A 20120209	NGK SPARK PLUG CO [JP]	JP20100163088 20100720	F16B7/20; H01M8/02; H01M8/12	JOINED BODY OF CERAMICS AND METAL AND SOLID OXIDE TYPE FUEL CELL
JP2012074268 A 20120412	NORITAKE CO LTD	JP20100218408 20100929	H01M8/02; C03C8/02; C03C10/10; C03C10/14; H01M8/12	JOINING MATERIAL FOR SOLID OXIDE FUEL CELL SYSTEM AND METHOD FOR USING THE SAME
JP2012104237 A 20120531	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100249030 20101105	H01M8/24; H01M8/02; H01M8/04; H01M8/18	JUNCTION STRUCTURE OF FRAMES, CELL STACK FOR BATTERY, REDOX FLOW BAT
DE102011052658 A1 20120315	GM GLOBAL TECH OPERATIONS INC [US]	US20100881774 20100914	G01L27/00; H01M8/04	Kalibrierung eines Drucksensors in einem Wasserstoffspeichersystem
AT543230T T 20120215	TOYO SEIKAN KAISHA LTD [JP]; TOSHIBA KK [JP]	JP20040335472 20041119; WO2005JP20699 20051111	H01M8/04; H01M8/10	KASSETTE FÜR EINE METHANOL-BRENNSTOFFZELLE
AT549764T T 20120315	FRAUNHOFER GES FORSCHUNG [DE]	DE200610001552 20060106	H01M8/12; H01M4/86	KATHODE-ELECTROLYT-ANODE-EINHEIT FÜR FESTOXID- BRENNSTOFFZELLEN UND VERFAHREN ZU DEREN HERSTELLUNG

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AT551741T T 20120415	SAINT GOBAIN CERAMICS [US]	US20070009003P 20071221; US20080063643P 20080205; WO2008US13741 20081216	H01M8/02; B32B18/00; C04B35/01; C04B35/26; C04B35/47; H01M8/12	KERAMISCHE VERBINDUNG FÜR BRENNSTOFFZELLENSTAPEL
AT539456T T 20120115	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE200610030393 20060701; WO2007DE01132 20070626	H01M4/86; H01M4/88; H01M4/90; H01M8/02; H01M8/12	KERAMISCHE WERKSTOFFKOMBINATION FÜR EINE ANODE FÜR EINE HOCHTEMPERATUR- BRENNSTOFFZELLE
DE10083881 B3 20120216	UTC FUEL CELLS LLC N D GES D STAATES DELAWARE [US]	US19990233223 19990119; WO2000US01313 20000119	C01B3/32; F23D14/18; B01J8/02; B01J19/24; C01B3/38; C01B3/48; C01B3/58; H01M8/06	Kompakte Brennstoffgas-Reformeranordnung
AT546848T T 20120315	STAXERA GMBH [DE]	DE200710015712 20070402; DE200710016905 20070410; DE200710056752 20071126; WO2008DE00048 20080111	H01M8/02; H01M8/12; H01M8/24	KONTAKTANORDNUNG UND VERFAHREN ZUM FÜGEN EINES BRENNSTOFFZELLENSTAPELS AUS ZUMINDEST EINER KONTAKTANORDNUNG
AT548774T T 20120315	CERES IP CO LTD [GB]	GB20080007412 20080423	H01M8/24	KRAFTSTOFFZELLENMODULUNTERSTÜTZUNG
DE102010051346 A1 20120516	DAIMLER AG [DE]	DE201010051346 20101113	H01M8/04	Kühlmittelkreis für ein Brennstoffzellensystem und Verfahren zum Aus

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DE102010051343 A1 20120516	DAIMLER AG [DE]	DE201010051343 20101113	H01M8/04	Kühlmittelkreis für ein Brennstoffzellensystem und Verfahren zum flu
US2012070766 A1 20120322	MASSACHUSETTS INST TECHNOLOGY [US]	US20100886637 20100921	H01M8/00	LAMINAR FLOW FUEL CELL INCORPORATING CONCENTRATED LIQUID OXIDANT
US2012021335 A1 20120126	SUGIOKA MIKIMASA [JP]; MATSUURA TOYOHIRO [JP]; YAMADA HIDEKI [JP]	JP20090083058 20090330; WO2010JP52006 20100204	H01M8/10; B05D5/00; B29C47/00; B32B37/14; B32B38/00	Laminate and Method For Producing Same
EP2469637 A1 20120627	HAMILTON SUNDSTRAND CORP [US]	EP20100252226 20101224	H01M8/24; C25B9/20; H01M8/04	Laminate assembly sealing method and arrangement
WO2012046886 A2 20120412	SINTOKOGIO LTD [JP]; NAGASAKA MASAHICO [JP]; NAKAJIMA SHOGO [JP]; NOZAWA TAKAYUKI [JP]; SUGINO OSAMU [JP]; MISIMA IKUTO [JP]	JP20110226776 20111014; JP20110129704 20110610; JP20110014646 20110127	B30B15/00	LAMINATE IMMOBILIZING JIG, LAMINATE ASSEMBLY MANUFACTURING SYSTEM, AND MANUFACTURING METHOD FOR LAMINATE ASSEMBLY
CN102487148 A 20120606	Dalian Rongke Power Co., Ltd.	CN20101568311 20101201	H01M8/18; H01M8/04	Large-scale all vanadium flow energy-storage battery system and its control method and use
JP2012014850 A 20120119	KYOCERA CORP [JP]; TOKYO GAS CO LTD [JP]	JP20100147265 20100629	H01M8/02; H01M8/12; H01M8/24	LATERAL STRIPE TYPE SOLID OXIDE FUEL BATTERY CELL STACK, LATERAL STRIPE TYPE SOLID OXIDE FUEL BATTERY BUNDLE, AND FUEL BATTERY

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JP2012500450 A 20120105		US20080089406P 20080815; WO2009US04682 20090814	H01M4/96; C01B31/02; H01G9/058; H01M4/133; H01M4/1393; H01M4/88; H01M8/00; H01M14/00	LAYER-BY-LAYER ASSEMBLIES OF CARBON-BASED NANOSTRUCTURES AND THEIR APPLICATIONS IN ENERGY STORAGE AND GENERATION DEVICES
WO2012077450 A1 20120614	NISSAN MOTOR [JP]; SAKAI MASANOBU; KAMIHARA TETSUYA	JP20100275638 20101210	G01R27/02; H01M2/10; H01M8/04; H01M8/10; H01M10/48	LAYERED BATTERY INTERNAL RESISTANCE MEASURING APPARATUS
EP2410599 A2 20120125	ENCITE LLC [US]	EP20070751983 20070302; US20060778584P 20060302; US20060778563P 20060302; US20060521593 20060914	H01M8/04	Layered control of power cells
JP2012099506 A 20120524	TARUNO KAZUO	JP20120037130 20120223	H01M8/00	LIGHT HYDROGEN CONTAINING WATER CIRCULATING POWER GENERATION TYPE FU
TWM424628U U 20120311	WU SHINN-DAR [TW]	TW100215114U 20110815	H01M8/02	Lightweight fuel cell
KR20120034411 A 20120412	SAMSUNG HEAVY IND [KR]	KR20100095961 20101001	B63H21/17; B63B25/16; B63J1/00; H01M8/04	LIQUEFIED-GAS PRODUCING VESSEL

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JP2012092345 A 20120517	ASAHI GLASS CO LTD [JP]	JP20040183712 20040622; JP20040204704 20040712; JP20040265176 200409	B01D67/00; B01D69/14; B01D71/82; C08J3/02; C08J5/22; C08K3/26; C08K5/09; C08L101/02; H01B1/06; H01B13/00; H01M4/86; H01M4/88; H01M4/90; H01M8/02; H01M8/10	LIQUID COMPOSITION, METHOD FOR PRODUCING THE SAME, AND METHOD FOR
CN102456905 A 20120516	ENN Group Co., Ltd.	CN20101527584 20101027	H01M8/18; H01M4/98; H01M8/02; H01M8/24	Liquid flow battery unit, battery stack and manufacturing method thereof
CN102306815 A 20120104	DONGFANG ELECTRIC CORP	CN20111248247 20110824	H01M8/04; H01M8/24	Liquid flow cell system
JP4932479B2 B2 20120516		JP20040140651 20040511; WO2005JP08298 20050502; JP20060519527 200505	H01M8/04; H01M8/00; H01M8/06	Liquid Fuel Container, Fuel Cell System, and Portable Information Terminal Device

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JP4894261B2 B2 20120314		JP20030139133 20030516; JP20030139135 20030516; WO2004JP04464 20040329; JP20050506150 20040329	H01M8/06; H01M8/04; H01M8/10	Liquid fuel type fuel cell and fuel therefor
JP2012100799 A 20120531	SEIKO EPSON CORP [JP]	JP20100250547 20101109	A61B17/32; F04B35/00; F04B43/04; H01M8/00	LIQUID INJECTION SYSTEM AND LIQUID INJECTION METHOD
KR20120032753 A 20120406	OSUN TECH CO LTD [KR]	KR20100094260 20100929	H01M8/04; B01D53/26; F16K31/18	LIQUID SEPARATION AND AUTO-DRAIN DEVICES
JP2012036023 A 20120223	HITACHI MAXELL ENERGY LTD	JP20100175530 20100804	C01B3/06; C01B3/08; H01M8/06	LIQUID STORING VESSEL, HYDROGEN PRODUCTION APPARATUS AND FUEL CELL SYSTEM
US2012141889 A1 20120607	NAT UNIVERSITY CORP MIE [JP]; SAMSUNG ELECTRONICS CO LTD [KR]	KR20100124232 20101207	H01M8/22	LITHIUM AIR BATTERY
US2012028164 A1 20120202	NAT UNIVERSITY CORP MIE UINVERSTY [JP]; SAMSUNG ELECTRONICS CO LTD [KR]	KR20100072983 20100728; KR20110070665 20110715	H01M8/10; H01M4/90; H01M4/96; H01M8/08	LITHIUM AIR BATTERY

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CN202259549U U 20120530	Beijing Hawaga Power Storage Technology Company Ltd.;Institute of Electrical Engineering, Chinese Academy of Sciences	CN20112221360U 20110628	H01M8/18; H01M4/02; H01M4/38; H01M4/48; H01M4/58	Lithium ion flow battery
CN102315473 A 20120111	Beijing Good Scenery Storage Technology Co.,Ltd.;Institute of Electrical Engineering, Chinese Academy of Sciences	CN20111175924 20110628	H01M8/18; H01M4/38; H01M4/48	Lithium ion flow redox battery
JP2012059708 A 20120322	SHOWA DENKO KK [JP]	JP20030160709 20030605; JP20110232972 20111024	H01M4/587; C01B31/02	LITHIUM SECONDARY BATTERY
KR20120051067 A 20120521	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20090196694 20090827; JP20090218897 20090924; JP20090218898 200909	H01M8/04; C01B3/02; H01M8/06; H01M8/12	LOAD FOLLOWING OPERATION METHOD FOR FUEL CELL SYSTEM
CN102522581 A 20120627	SUNRISE POWER CO [CN]	CN20111442087 20111226	H01M8/04	Loading control method for power generation system of automobile fuel cell
US2012070760 A1 20120322	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100094523 20100929	H01M8/24	LOCAL HYDROPHILIC GAS DIFFUSION LAYER AND FUEL CELL STACK COMPRISING THE SAME

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US2012135277 A1 20120531	RESEARCH IN MOTION LTD [CA]	US201213365664 20120203; US20090394641 20090227	H01M8/04; H01H13/82; H01M2/00	LOCATION OF A FUEL CELL ON A MOBILE DEVICE
US2012064424 A1 20120315	GM GLOBAL TECH OPERATIONS INC [US]	US20100882983 20100915	H01M8/04	LOW COST METHOD AND SIGNAL PROCESSING ALGORITHM TO RAPIDLY DETECT ABNORMAL OPERATION OF AN INDIVIDUAL FUEL CELL IN A PLURALITY OF SERIES CONNECTED FUEL CELLS
US2012046371 A1 20120223	WU HUEY SHEN [US]; MARTIN CHARLES W [US]; CHEN XIN KANG [CN]	US201113283999 20111028; US20060472077 20060621; US20010011243 20011206	B01J39/20; C08J5/18; C08F214/18; C08F216/14; H01M4/86; H01M8/02; H01M8/10	Low Equivalent Weight Ionomer
AU2010264424 A1 20120119	CORNING INC [US]	US20090220783P 20090626; WO2010US39739 20100624	H01M8/14	Low mass solid oxide fuel device array monolith
JP2012504848 A 20120223		US	H01M8/04; B60L11/18; H01M8/00; H01M8/02; H01M8/10	LOW POWER CONTROL OF FUEL CELL OPEN CIRCUIT VOLTAGE
US2012135323 A1 20120531	FRAUNHOFER GES FORSCHUNG [DE]	DE200910011239 20090302; WO2010EP01285 20100302	H01M8/06; H01M8/04	LOW-TEMPERATURE FUEL CELL HAVING AN INTEGRATED WATER MANAGEMENT SYST

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JP2012055826 A 20120322	NAT INST OF ADVANCED IND SCIEN [JP]	JP20100201168 20100908	B01J23/42; B01D53/94; B01J23/89; B01J37/04; B01J37/08; B01J37/14; B01J37/18; C01B3/48; F01N3/10; F01N3/20; H01M8/06	LOW-TEMPERATURE OXIDATION CATALYST, METHOD FOR MANUFACTURING THE SAME, AND OXIDATION METHOD USING THE CATALYST
JP2012504301 A 20120216		DE200810049689 20080930; WO2009EP06551 20090909	H01M8/04; F02C3/22; F02C6/00	Luftversorgungseinrichtung für einen Brennstoffzellenstapel, Brennstoffzellensystem und Verfahren zum Betreiben einer Luftversorgungseinrichtung
CN102364740 A 20120229	JS POWER INC [CN]	CN20111368517 20111120	H01M8/06	Macromolecule hydrogen energy fuel cell system with hydrogen generation device
WO2012033083 A1 20120315	IHI CORP [JP]; IWAMOTO TATSUSHI [JP]; AKAMINE KENICHI [JP]; OKUYAMA JUNICHI [JP]	JP20100203353 20100910	C25B1/20; C01F5/14; C02F1/46; C02F1/58; C25B11/06	MAGNESIUM RECOVERY METHOD AND MAGNESIUM RECOVERY APPARATUS
TWM420053U U 20120101	HSU PHYSICS [TW]; TU JIE- SHENG [TW]	TW100201875U 20110127	H01M8/18	Magnetic fuel battery stack
EP2448040 A2 20120502	FREUDENBERG CARL FA [DE]	DE201010049649 20101028	H01M2/12; B65D51/16; B65D81/26; F16K17/164; F16K31/08	Magnetically sealing valve device for a battery casing

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US2012122008 A1 20120517	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100114456 20101117	H01M8/24; H01M8/04	MANIFOLD INSERT HAVING DISTRIBUTION GUIDES AND FUEL CELL STACK COMPR
US2012028172 A1 20120202	KANURI SRIDHAR V [US]; BREAULT RICHARD D [US]; TENNETI KISHORE KUMAR [US]; CIPOLLINI NED E [US]; KENNEY FRANK E [US]	US200913145626 20090618; US20090214130P 20090420; WO2009US03648 20090618	H01M8/00	MANUFACTURE OF A FUEL CELL WITH LIQUID ELECTROLYTE MIGRATION PREVENTION
US2012141920 A1 20120607	HYUNDAI MOTOR CO LTD [KR]	KR20100122438 20101203	B05B5/025; H01M8/10	MANUFACTURING A FUEL CELL MEMBRANE- ELECTRODE ASSEMBLY
KR20120051944 A 20120523	POLY ENERGY CO LTD [KR]	KR20100113328 20101115	H01M8/18; H01M8/04	MANUFACTURING EQUIPMENT OF ELECTROLYTE FOR REDOX FLOW BATTERY AND MA
US2012003572 A1 20120105	MATSUMURA JUN [JP]; TSUJI YOICHIRO [JP]; NAGAI HIROYUKI [JP]; SATO NOBUO [JP]	JP20100027554 20100210; WO2011JP00732 20110209	H01M8/00; B05C9/14; B05D3/02; B05D5/00	MANUFACTURING METHOD AND MANUFACTURING APPARATUS FOR CATALYST-COATED MEMBRANE ASSEMBLY

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
WO2012005146 A1 20120112	NIPPON SOKEN [JP]; TOYOTA MOTOR CO LTD [JP]; GOMI YUICHI [JP]; KIKUCHI KATSUhide [JP]; FUJITANI HIROSHI [JP]; KAWASUMI AKITO [JP]; NAKANISHI JUNJI [JP]; TSUBOSAKA KENJI [JP]	JP20100264861 20101129; JP20100152668 20100705	H01M4/88; H01M8/10	MANUFACTURING METHOD AND MANUFACTURING APPARATUS FOR GAS DIFFUSION LAYER OF FUEL CELL, AND FUEL CELL
CN102386429 A 20120321	Shenyang Jianzhu University	CN20111324182 20111024	H01M8/10; H01M4/86; H01M4/88; H01M4/92	Manufacturing method for air cathode catalyst layer of single-chamber no-film microbiological fuel cell
JP2012076048 A 20120419	TOYOTA MOTOR CORP [JP]; UNIV NAGOYA [JP]	JP20100225359 20101005	B01J37/02; H01M4/88; H01M4/96	MANUFACTURING METHOD FOR CATALYST CARRIER
US2012052414 A1 20120301	HAMA YUICHIRO [JP]; DOI TAKAYOSHI [JP]	JP20090123192 20090521; WO2010IB00765 20100408	H01M8/00; H01M4/88	MANUFACTURING METHOD FOR ELECTRODE CATALYST LAYER, MANUFACTURING METHOD FOR MEMBRANE ELECTRODE ASSEMBLY, AND MANUFACTURING METHOD FOR FUEL CELL
WO2012020719 A1 20120216	SUMITOMO CHEMICAL CO [JP]; MAKI HAJIME [JP]; ITO YUTAKA [JP]; HATTORI TAKESHI [JP]; OTA KENICHIRO [JP]	JP20100179303 20100810	B01J21/06; B01J37/08; B01J37/10; H01M4/90	MANUFACTURING METHOD FOR ELECTRODE CATALYST, AND ELECTRODE CATALYST

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JP2012094502 A 20120517	NIPPON CATALYTIC CHEM IND [JP]	JP20100222370 20100930; JP20110210613 20110927	H01M8/02; C04B35/622	MANUFACTURING METHOD FOR ELECTROLYTE SHEET FOR FUEL CELL
JP2012089447 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100237683 20101022	H01M4/88; H01M4/96; H01M8/02; H01M8/10	MANUFACTURING METHOD FOR FUEL CELL
KR20120040008 A 20120426	POSCO [KR]	KR20100101501 20101018	H01M8/12; B05D1/26; C04B35/00; H01M8/02	MANUFACTURING METHOD FOR REACTION BARRIER LAYER AND SOLID OXIDE FUEL CELL USING REACTION BARRIER
JP4897119B2 B2 20120314		JP20100049706 20100305; WO2011JP01180 20110301; JP20110528136 20110301	H01M4/88; H01M4/86; H01M8/10	MANUFACTURING METHOD OF CATHODE ELECTRODE FOR FUEL CELLS AND CATHODE ELECTRODE FOR FUEL CELLS
US2012009506 A1 20120112	TOKAI RUBBER IND LTD [JP]	JP20090088613 20090401; WO2010JP56113 20100329	H01M8/00; H01M8/10	MANUFACTURING METHOD OF CELL ASSEMBLY FOR FUEL CELL AND MANUFACTURING METHOD OF FUEL CELL
JP2012053991 A 20120315	TOYOTA MOTOR CORP [JP]; UNIV NAGOYA [JP]	JP20100193172 20100831	H01M4/88; B01J23/42; B01J37/02; H01M4/96	MANUFACTURING METHOD OF ELECTRODE CATALYST LAYER
KR20120051943 A 20120523	POLY ENERGY CO LTD [KR]	KR20100113327 20101115	H01M8/18; H01M8/02; H01M10/36	MANUFACTURING METHOD OF ELECTRODE FOR REDOX FLOW BATTERY AND REDOX F
KR20120051109 A 20120522	HYUNDAI MOTOR CO LTD [KR]	KR20100112364 20101112	H01M8/04; B29C45/14; B60L11/18; H01M8/10	MANUFACTURING METHOD OF END PLATE FOR FUEL CELL

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JP2012089505 A 20120510	HONDA MOTOR CO LTD [JP]	JP20110239221 20111031	H01M8/02; F16B5/04; F16B5/08; F16B19/06; H01M8/10; H01M8/24	MANUFACTURING METHOD OF FUEL CELL
JP2012074316 A 20120412	TOYOTA MOTOR CO LTD [JP]	JP20100220013 20100929	H01M8/02	MANUFACTURING METHOD OF FUEL CELL
JP2012069299 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100211401 20100921	H01M8/02; H01M4/86; H01M8/12	MANUFACTURING METHOD OF FUEL CELL
JP2012089443 A 20120510	TOYOTA MOTOR CO LTD [JP]	JP20100237586 20101022	H01M8/02; H01M4/88; H01M8/12	MANUFACTURING METHOD OF FUEL CELL
EP2415110 A1 20120208	TOKAI RUBBER IND LTD [JP]; TOYOTA MOTOR CO LTD [JP]	WO2010JP56112 20100329; JP20090088617 20090401	H01M8/02; H01M8/10; H01M8/24	MANUFACTURING METHOD OF FUEL CELL MODULE AND MANUFACTURING METHOD OF FUEL CELL
US2012141921 A1 20120607	HYUNDAI MOTOR CO LTD [KR]	KR20100124415 20101207	H01M8/00	MANUFACTURING METHOD OF FUEL CELL STACK
JP2012074322 A 20120412	DAIHATSU MOTOR CO LTD [JP]	JP20100220188 20100930	H01M8/02; H01M4/86; H01M8/10; H01M8/24	MANUFACTURING METHOD OF MEMBRANE ELECTRODE ASSEMBLY AND MANUFACTURING METHOD OF CELL STACK
JP2012074314 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100220004 20100929	H01M8/02; H01M8/10	MANUFACTURING METHOD OF MEMBRANE ELECTRODE ASSEMBLY, AND MEMBRANE ELECTRODE ASSEMBLY
US2012148935 A1 20120614	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100124587 20101208	H01M8/10; B32B38/00; H01M8/00	MANUFACTURING METHOD OF MEMBRANE- ELECTRODE ASSEMBLY FOR POLYMER ELEC

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JP2012074236 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100217813 20100928	H01M8/02; H01M4/88; H01M8/10	MANUFACTURING METHOD OF MEMBRANE-ELECTRODE ASSEMBLY FOR SOLID POLYMER FUEL CELL, AND BASE MATERIAL FOR CATALYST LAYER FORMATION USED IN MANUFACTURING
KR20120033111 A 20120406	NANO SOLUTION CO LTD [KR]	KR20100094713 20100929	H01M8/02; C23C16/34; C23C28/00; H01M8/10	MANUFACTURING METHOD OF METAL SEPARATOR FOR FUEL CELL
JP2012079467 A 20120419	KANEKA CORP; UNIV YAMANASHI	JP20100221629 20100930	H01M8/02; C08J5/22; H01B1/06; H01B13/00; H01M8/10	MANUFACTURING METHOD OF POLYMER ELECTROLYTE MEMBRANE
JP2012064481 A 20120329	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100208749 20100917	H01M8/02; H01M4/86	MANUFACTURING METHOD OF POROUS BODY LAYER FOR FUEL BATTERY, AND FUEL BATTERY
JP2012018886 A 20120126	mitsubishi RAYON CO [JP]	JP20100156935 20100709	H01M4/88; C04B35/83; D21H13/50; D21H25/06; H01M4/96	MANUFACTURING METHOD OF POROUS CARBON ELECTRODE BASE MATERIAL
JP2012018882 A 20120126	mitsubishi RAYON CO [JP]	JP20100156876 20100709	H01M4/88; C01B31/02; D04H1/4242; H01M4/96	MANUFACTURING METHOD OF POROUS CARBON ELECTRODE BASE MATERIAL
KR20120000337 A 20120102	KOREA IND TECH INST [KR]	KR20100060657 20100625	H01M8/12; B05D1/12; H01M4/86; H01M8/02	MANUFACTURING METHOD OF SOFC UNIT CELL

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KR20120038946 A 20120424	KOREA INST CERAMIC ENG & TECH [KR]	KR20120022223 20120305	H01M8/12; C04B35/64; H01M8/02	MANUFACTURING METHOD OF SOLID OXIDE FUEL CELLS AND SOLID OXIDE FUEL CELLS THEREBY
KR20120021924 A 20120309	KOREA ELECTRIC POWER CORP [KR]	KR20100081256 20100823	H01M8/12; C03C4/00; C09K3/10; H01M2/08	MANUFACTURING METHOD OF THE HIGH STRENGTH GLASS-CERAMICS GASKET FOR SOLID OXIDE FUEL CELL
CN102394308 A 20120328	Shanghai Yuhao Electromechanical Co.,Ltd.;Takamura Takaji	CN20111315353 20111017	H01M8/20	Manufacturing process of electrolyte for oxidation reduction cell
JP2012094363 A 20120517	SHIMIZU CONSTRUCTION CO LTD	JP20100240244 20101027	H01M8/00; B63B35/00; B63B35/44; C01B3/04; C25B1/04	MARINE SOLAR POWER GENERATOR
ES2374681T T3 20120221	ELECTRICITE DE FRANCE [FR]; CENTRE NAT RECH SCIENT [FR]	FR20040003036 20040324	H01M4/90; C01G1/00; C01G3/00; C01G37/00; C01G45/00; C01G49/00; C01G51/00; C01G53/00; H01M8/12	MATERIAL DE OXIDO Y ELECTRODO PARA PILA DE COMBUSTIBLE QUE COMPRENDE EL MISMO.
KR20120000863 A 20120104	HANKOOK TIRE CO LTD [KR]	KR20100061350 20100628	H01M8/02; C01B31/02; C04B35/52	MATERIAL FOR MOLDING A FUEL CELL SEPARATOR, PROCESS FOR PREPARING THE SAME, A FUAL CELL SEPARATOR AND A FUEL CELL

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US2012064433 A1 20120315	SAMSUNG ELECTRO MECH [KR]; SAMSUNG ELECTRONICS CO LTD [KR]	KR20100089921 20100914	H01M4/48; H01M8/10	MATERIAL FOR SOLID OXIDE FUEL CELL, CATHODE INCLUDING THE MATERIAL, AND SOLID OXIDE FUEL CELL INCLUDING THE MATERIAL
JP2012043638 A 20120301	AGC SEIMI CHEMICAL CO LTD	JP20100183691 20100819	H01M4/86; H01M4/88; H01M8/12	MATERIAL POWDER OF AIR ELECTRODE FOR SOLID OXIDE FUEL CELL AND METHOD FOR PRODUCING THE SAME
KR20120013002 A 20120214	KOREA SOUTH POWER CO LTD [KR]	KR20100075088 20100803	H01M8/14; F01K11/00; F01K27/02; H01M8/04	MCFC SYSTEM OF STEAM POWER STATION
KR20120061233 A 20120613		KR20100122441 20101203	H01M4/86; C09K3/10; H01M8/02; H01M8/10	MEA for fuel cell and method for manufacturing the same
CN202109998U U 20120111	Beijing University of Technology	CN20112041613U 20110218	G01K7/02; H01M8/04	Measuring insert piece for internal temperature distribution of fuel cell
US2012135279 A1 20120531	BELENOS CLEAN POWER HOLDING AG [CH]	EP20100192609 20101125	H01M8/04; H01M6/50; H01M10/42	MEASURING SYSTEM FOR CELLS IN A FUEL CELL STACK
AR079893 A1 20120229	INTELLIGENT ENERGY LTD [GB]	GB20100000651 20100115	B63B35/14	MECANISMO DE TRANSFERENCIA
ES2379736T T3 20120503	PRAXAIR TECHNOLOGY INC [US]	US20060507486 20060822; WO2007US18581 20070822	B01D53/22; B01D69/10; B01D69/12; B01D71/02; C01B13/02; C04B35/01; C04B35/42; C04B35/486; H01M8/12	Membrana de transporte iónico de oxígeno de material compuesto

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ES2374056T T3 20120213	ELCOMAX MEMBRANES GMBH [DE]; LANXESS DEUTSCHLAND GMBH; RHEIN CHEMIE RHEINAU GMBH	DE200710011424 20070308; WO2008EP01803 20080306	H01M8/10	MEMBRANA ELECTROLITICA POLIMERICA CON NANOPARTICULAS FUNCIONALIZADAS.
ES2378526T T3 20120413	CERAM HYD [FR]	FR20070055287 20070528; WO2008FR50380 20080306	H01M8/10; C01B3/00; C25B11/04; H01M4/92; H01M8/02; H01M8/06	Membrana intercambiadora de protones y célula que comprende dicha membrana
US2012121994 A1 20120517	UNIV MAINE SYS BOARD TRUSTEES [US]	US201013320140 20100512; US20090177445P 20090512; WO2010US34527 2010	H01M4/94; H01M4/86; H01M8/00; H01M8/10	Membrane And Catalyst Composite For Membrane Electrode Assembly
FR2964331 A1 20120309	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20100057030 20100903	B01D71/00; B01D69/12; B01D71/02; B01D71/82; B01J47/12; C25B13/04; H01M8/02	MEMBRANE CHIMIQUEMENT STABILISEE, SON PROCEDE DE PREPARATION ET SES UTILISATIONS
FR2968136 A1 20120601	UNIV ROUEN [FR]; INST POLYTECHNIQUE GRENOBLE [FR]; CENTRE NAT RECH SCIENT [FR]	FR20100059866 20101129	H01M8/10; C08J5/22	MEMBRANE COMPOSITE CONDUCTRICE DE PROTONS POUR PILES A COMBUSTIBLE

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CN102394306 A 20120328	Tsinghua University; Hongfujin Precision Industry (Shenzhen) Co., Ltd.	CN20111367950 20080725	H01M4/86; H01M8/02	Membrane electrode and fuel cell therewith
US2012141909 A1 20120607	UENSAL OEMER [DE]; SCHMIDT THOMAS [DE]; BELACK JOERG [DE]	US201213349613 20120113; DE200410035305 20040721; US20070572323 2007	H01M8/10	MEMBRANE ELECTRODE ASSEMBLIES AND HIGHLY DURABLE FUEL CELLS
JP2012507119 A 20120322		US20080108301P 20081024; WO2009US61684 20091022	H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLIES WITH INTERFACIAL LAYER
JP2012084293 A 20120426	TOYOTA MOTOR CO LTD [JP]	JP20100228148 20101008	H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLING METHOD AND MANUFACTURING METHOD FOR MEMBRANE ELECTRODE ASSEMBLY
JP2012059406 A 20120322	HITACHI LTD [JP]	JP20100199047 20100906	H01M8/02; C08J5/22; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY
WO2012020268 A1 20120216	UNIV MANCHESTER [GB]; HOLMES STUART [GB]; DAWSON CRAIG [GB]; SHANMUKHAM SARAVANA P [IN]	GB20100013526 20100812	H01M8/10	MEMBRANE ELECTRODE ASSEMBLY
JP2012074205 A 20120412	SHARP KK [JP]	JP20100217325 20100928	H01M4/86; H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY AND ALKALINE FUEL CELL

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WO2012032999 A1 20120315	SHARP KK [JP]; SATA SHUNSUKE; YOSHIDA AKIHITO; YOSHIE TOMOHISA; MIZUHATA HIROTAKE; KAGA MASAKI	JP20100200520 20100908	H01M8/02; H01M8/04; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY AND ALKALINE FUEL CELL
KR20120002623 A 20120106	CANON KK [JP]	JP20070155375 20070612	H01M4/88; H01M4/92; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL
JP2012074331 A 20120412	HITACHI LTD [JP]	JP20100220251 20100930	H01M8/02; H01M4/86; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL
JP2012022960 A 20120202	JX NIPPON OIL & AMP ENERGY CORP [JP]; UNIV KYUSHU	JP20100161451 20100716	H01M8/02; H01M4/86	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL
JP2012123994 A 20120628	TOYOTA MOTOR CO LTD [JP]	JP20100273148 20101208	H01M8/02	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL USING IT
US2012152431 A1 20120621	MIZUKAMI TAKAAKI [JP]; IMAHASHI JINICHI [JP]	US201213407806 20120229; JP20060185076 20060705; US20070626884 20070	H01M8/00; H01M4/88	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL USING SAME
JP4858658B2 B2 20120118		JP20090223803 20090929; WO2010JP54378 20100316; JP20110501834 20100316	H01M4/90; H01M4/86; H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL USING THE SAME

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US2012156588 A1 20120621	BASF SE [DE]	US201113307745 20111130; US20100418895P 20101202	H01M8/10; H01M8/00	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELLS WITH IMPROVED LIFETIME
US2012141908 A1 20120607	BASF SE [DE]	US201113307690 20111130; US20100418899P 20101202	H01M8/10; B05D5/12	MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELLS WITH IMPROVED LIFETIME
CN102449828 A 20120509	Agency Science Tech & Res	WO2010SG00136 20100406; US20090167293P 20090407	H01M4/88; B82B1/00; B82B3/00; H01M4/92; H01M8/00	Membrane electrode assembly and method of forming the same
JP2012074235 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100217812 20100928	H01M8/02	MEMBRANE ELECTRODE ASSEMBLY AND PRODUCTION METHOD THEREFOR
JP2012015063 A 20120119	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100153094 20100705	H01M4/86; H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY FOR FUEL CELL
JP2012064377 A 20120329	TOYOTA MOTOR CO LTD [JP]	JP20100206428 20100915	H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY FOR FUEL CELL STACK, AND FUEL CELL STACK CONTAINING THE SAME
JP2012074315 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100220005 20100929	H01M8/02; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY OF SOLID POLYMER FUEL CELL, AND MANUFACTURING METHOD OF THE SAME
JP4871434B2 B2 20120208		JP20100066282 20100323; WO2011JP01289 20110304; JP20110527113 20110304	H01M8/02; H01M4/86; H01M4/88; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY WITH INTEGRATED FRAME AND FUEL CELL

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JP4903306B2 B2 20120328		US19970948599 19971010; WO1998US08730 19980429	G01N27/28; H01M4/86; C25B9/00; C25B9/08; C25B9/10; C25B11/04; H01M4/88; H01M8/10	Membrane electrode assembly
WO2012035400 A2 20120322	TOYOTA MOTOR CO LTD [JP]; OTSU WATARU [JP]	JP20100207567 20100916	H01M8/10; H01M4/86	MEMBRANE ELECTRODE ASSEMBLY, FUEL CELL AND PRODUCTION METHOD FOR MEMBRANE ELECTRODE ASSEMBLY
WO2012035591 A1 20120322	TOYOTA MOTOR CO LTD [JP]; TSUBOSAKA KENJI [JP]; YOSHIKAWA HIROO [JP]; NAKANISHI JUNJI [JP]	JP20100207685 20100916	H01M4/86; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY, FUEL CELL USING SAME, AND METHOD FOR PRODUCING MEMBRANE ELECTRODE ASSEMBLY
EP2469632 A2 20120627	HITACHI LTD [JP]	JP20100289097 20101227	H01M4/86; H01M4/92; H01M8/04; H01M8/06; H01M8/10	Membrane electrode assembly, fuel cell with the same, and fuel cell
JP2012028088 A 20120209	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100164108 20100721	H01M8/02; H01M8/06; H01M8/12	MEMBRANE ELECTRODE ASSEMBLY, FUEL CELL, GAS ABATEMENT DEVICE, AND METHOD OF MANUFACTURING MEMBRANE ELECTRODE ASSEMBLY
KR20120068749 A 20120627	TOYOTA MOTOR CO LTD [JP]	KR20117009856 20100915	H01M8/02; H01M4/86; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY, MANUFACTURING METHOD THEREOF, AND FUEL

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US2012064430 A1 20120315	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/10; H01M8/00	MEMBRANE ELECTRODE ASSEMBLY, MANUFACTURING METHOD THEREOF, AND FUEL CELLS
WO2012036007 A1 20120322	TOPPAN PRINTING CO LTD [JP]; UEHARA NAOKO [JP]; HABA YASUHIRO [JP]	JP20100204597 20100913	H01M8/02; H01M4/88; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY, METHOD FOR PRODUCING MEMBRANE ELECTRODE ASSEMBLY, AND FUEL BATTERY
KR20120046244 A 20120509	TOYOTA MOTOR CO LTD [JP]	JP20100091874 20100413	H01M4/88; B82B3/00; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY, METHOD OF MANUFACTURE THEREOF, AND FUEL
JP2012059596 A 20120322	TOYOTA MOTOR CO LTD [JP]	JP20100202841 20100910	H01M8/02; H01M4/88; H01M8/10	MEMBRANE ELECTRODE ASSEMBLY, POWER GENERATING BODY, FUEL CELL, AND MEMBRANE ELECTRODE ASSEMBLY MANUFACTURING METHOD AND POWER GENERATING BODY MANUFACTURING METHOD
CN102308419 A 20120104	PANASONIC CORP [JP]	WO2010JP05348 20100831; JP20090201386 20090901; JP20100178321 20100809	H01M8/02; H01M4/86; H01M8/10	Membrane electrode assembly, production method for same and fuel cell
US2012088180 A1 20120412	SNU R&DB FOUNDATION [KR]; SAMSUNG ELECTRONICS CO LTD [KR]	KR20100099543 20101012	H01M8/10; B05D5/12; H01M8/00	MEMBRANE ELECTRODE ASSEMBLY, SOLID OXIDE FUEL CELL COMPRISING THE SAME AND METHOD OF PREPARING THE MEMBRANE ELECTRODE ASSEMBLY

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JP4904812B2 B2 20120328		JP20030135487 20030514; WO2004JP06603 20040511; JP20050506206 20040511	H01M8/02; H01M4/86; H01M4/92; H01M4/96; H01M8/10	MEMBRANE ELECTRODE COMPLEX AND SOLID POLYMER TYPE FUEL CELL USING IT
CN102361088 A 20120222	CHANGCHUN APPLIED CHEMISTRY, Chinese Academy of Sciences	CN20111341650 20111102	H01M4/86; H01M4/88; H01M8/10	Membrane electrode complex of direct methanol fuel cell and preparation method and direct methanol fuel cell thereof
JP2012014873 A 20120119	SANYO ELECTRIC CO [JP]	JP20100148003 20100629	H01M8/02; B01J23/42; H01M8/10	MEMBRANE ELECTRODE JOINED BODY AND FUEL CELL
US2012122013 A1 20120517	SCHMIDT THOMAS [DE]; PADBERG CHRISTOPH [DE]; HOPPE GLEN [DE]; OTT DETLEF [DE]; RAT FRANCIS [DE]; JANTOS MARC [DE]	US201213343764 20120105; DE200410035309 20040721; WO2005EP07946 2005	H01M8/10; B05D5/12; B32B37/14	MEMBRANE ELECTRODE UNITS AND FUEL CELLS WITH AN INCREASED SERVICE LI
US2012012457 A1 20120119	UMICORE AG & CO KG [DE]	US201113181961 20110713; DE20031031836 20030714; US20070564798 20070621; US20030699158 20031030; WO2004EP07802 20040714	C25B11/02; C25B11/08; H01M2/00; H01M2/02; H01M2/08; H01M2/14; H01M8/10	MEMBRANE ELECTRODE UNIT FOR THE ELECTROLYSIS OF WATER

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CN102479963 A 20120530	Xinao Technology Development Co., Ltd.	CN20101574208 20101130	H01M8/02; H01M2/18; H01M8/18; H01M8/24	Membrane module, flow battery unit and battery stack
US2012052408 A1 20120301	GM GLOBAL TECH OPERATIONS INC [US]	US20100868487 20100825	H01M8/04; G06G7/58	MEMBRANE PERMEATION ADJUSTMENT IN PEM FUEL CELL
WO2012017225 A1 20120209	JOHNSON MATTHEY PLC [GB]; BARNWELL DAVID EDWARD [GB]; TREW PETER ANTONY [GB]; RALPH THOMAS ROBERTSON [GB]; COLEMAN ROBERT JEFFREY [GB]	GB20100012980 20100803	H01M8/10; H01M8/02	MEMBRANE STRUCTURE
JP2012099492 A 20120524	PANASONIC CORP [JP]	JP20050179926 20050620; JP20110272030 20111213	H01M8/02; H01M8/10	MEMBRANE-ELECTRODE ASSEMBLY
JP2012038506 A 20120223	KURARAY CO [JP]	JP20100176313 20100805	H01M4/86; H01M8/02; H01M8/10	MEMBRANE-ELECTRODE ASSEMBLY AND FUEL CELL
KR20120001266 A 20120104	SAMSUNG ELECTRO MECH [KR]	KR20100061970 20100629	H01M4/86; H01M8/10	MEMBRANE-ELECTRODE ASSEMBLY FOR FUEL CELL, FUEL CELL AND MANUFACTURING METHOD THEREOF

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JP2012074286 A 20120412	DAINIPPON PRINTING CO LTD [JP]	JP20100218770 20100929	H01M8/02; H01M8/10	MEMBRANE-ELECTRODE ASSEMBLY INTERMEDIATE, MEMBRANE-ELECTRODE ASSEMBLY, SOLID POLYMER FUEL CELL, AND METHOD FOR MANUFACTURING MEMBRANE-ELECTRODE ASSEMBLY INTERMEDIATE AND MEMBRANE-ELECTRODE ASSEMBLY
JP2012074285 A 20120412	DAINIPPON PRINTING CO LTD [JP]	JP20100218762 20100929	H01M8/02; H01M8/10	MEMBRANE-ELECTRODE ASSEMBLY INTERMEDIATE, SOLID POLYMER FUEL CELL, AND METHOD FOR MANUFACTURING MEMBRANE-ELECTRODE ASSEMBLY
US2012135330 A1 20120531	UMICORE AG & CO KG [DE]	US201113304484 20111125; EP20030021349 20030920; US20070572652 20070	H01M4/90; H01M4/88; H01M8/02; H01M8/10	Membrane-Electrode Assembly with integrated sealing material
US2012021325 A1 20120126	KIM HEE-TAK [KR]; CHO SUNG-YONG [KR]; KIM TAE-YOON [KR]; SONG KAH-YOUNG [KR]; HAN SANG-IL [KR]; CHAI GEUN- SEOK [KR]; MIN MYOUNG- KI [KR]	KR20100071086 20100722	H01M8/24; H01M8/00; H01M8/10	Membrane-Electrode Assembly, and Fuel Cell Stack and Fabricating Method of Membrane-Electrode Assembly
WO2012073085 A1 20120607	BASF SE [DE]; BASF CHINA CO LTD [CN]; GRONWALD OLIVER [DE]; OTT DETL	EP20100193509 20101202	H01M4/86; B01D69/02; H01M8/00	MEMBRANE-ELECTRODE UNIT AND FUEL CELLS WITH IMPROVED LIFETIME

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WO2012073084 A1 20120607	BASF SE [DE]; BASF CHINA CO LTD [CN]; SCHMIDT THOMAS JUSTUS [CH]	EP20100193524 20101202	H01M4/86; B01D69/02; H01M8/00	MEMBRANE-ELECTRODE UNIT AND FUEL CELLS WITH IMPROVED LIFETIME
DE102010063254 A1 20120621	FUMA TECH GES FUER FUNKTIONELLE MEMBRANEN UND ANLAGENTECHNOLOGIE MBH	DE201010063254 20101216	H01M8/10	Membran-Elektroden-Anordnung mit zwei Deckschichten
AT541330T T 20120115	ASAHI GLASS CO LTD [JP]; PANASONIC CORP [JP]	JP20030179783 20030624; JP20030301226 20030826; WO2004JP08889 20040624	H01M4/86; H01M4/88; H01M8/10	MEMBRAN-ELEKTRODENBAUGRUPPE FÜR EINE FESTPOLYMER- BRENNSTOFFZELLE UND HERSTELLUNGSVERFAHREN DAFÜR
AT552620T T 20120415	JAPAN GORE TEX INC [JP]	JP20060211639 20060803; WO2007JP65572 20070802	H01M8/02; H01M8/10	MEMBRANELEKTRODENBAUGRUPPE, VERFAHREN ZU IHRER HERSTELLUNG UND FESTPOLYMER- BRENNSTOFFZELLE DAMIT
US2012082921 A1 20120405	EMPIRE TECHNOLOGY DEV LLC [US]	US	H01M8/04; B05D5/00; H01M4/86; H01M4/88	Metal Air Battery Including a Composite Anode
CN202275888U U 20120613	SUNRISE POWER CO [CN]	CN20112299066U 20110817	H01M4/86; H01M8/04	Metal bipolar plate of PEMFC favorable for improving fluid distribution

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US2012100451 A1 20120426	MUKERJEE SANJEEV [US]; HE QINGGANG [US]; KRTL PETR [CZ]; MACOUNOVA KATERINA [CZ]	US201013379043 20100618; US20090218181P 20090618; WO2010US39186 20100618	H01M8/22; H01M8/08	METAL CO-CATALYST ENHANCER OF ELECTRO- OXIDATION OF ETHANOL
WO2012070620 A1 20120531	UNIV OKAYAMA NAT UNIV CORP [JP]; MURANAKA MAKOTO [JP]; OSHIKI TOSHIY	JP20100262610 20101125	C07F9/50; B01J31/24; C01B3/22; C07C5/09; C07C15/52; H01M8/06	METAL COMPLEX COMPOUND, HYDROGEN PRODUCTION CATALYST AND HYDROGENATI
JP2012025656 A 20120209	LG CHEMICAL LTD [KR]	KR20040027544 20040421	C01G41/00; C01B13/14; C01F1/00; C04B35/00; H01M8/12	METAL COMPLEX OXIDE HAVING NEW CRYSTAL STRUCTURE AND USE THEREOF FOR IONIC CONDUCTOR
CN102369207 A 20120307	Univ Windsor	WO2009CA01893 20091222; US20080193780P 20081223	C07F11/00; B01J20/26; C01B3/00; C06B43/00; C07F7/28; C07F9/00; C08G79/00; F02K9/08; H01M8/00	Metal hydrazide materials
JP2012047693 A 20120308	KONICA MINOLTA HOLDINGS INC [JP]	JP20100192475 20100830	G01N5/02; G01G3/16; H01M8/04; H01M8/06	METAL OXIDATION STATE DETECTION APPARATUS AND FUEL CELL DEVICE WITH THE SAME

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JP2012013531 A 20120119	JAPAN FINE CERAMICS CT	JP20100150147 20100630	G01N27/409; B01D53/22; B01D71/02; C01F17/00; H01M8/02; H01M8/12	METAL OXIDE FILM, OXYGEN SENSOR, OXYGEN PERMEABLE FILM AND SOLID OXIDE FUEL CELL
KR20120037246 A 20120419	HYUNDAI MOTOR CO LTD [KR]	KR20100098887 20101011	H01M8/02; C22C38/24; C22C38/32; C23C16/34	METAL SEPARATOR FOR FUEL CELL AND SURFACE TREATMENT METHOD THEREOF
CN102473927 A 20120523	HYUNDAI HYSKO [KR]	WO2009KR04358 20090804; KR20090071020 20090731	H01M8/02; H01M8/24	Metal separator for fuel cell, and fuel cell stack provided with same
AU2010284790 A1 20120315	HYUNDAI HYSKO [KR]	KR20090077832 20090821; WO2010KR05525 20100820	H01M8/02; H01M8/04	Metal separator plate for fuel cell having coating film formed on surface and method for producing same
KR20120048443 A 20120515	HYUNDAI MOTOR CO LTD [KR]	KR20100110072 20101105	H01M8/02; B23K26/00; H01M8/10	METAL SEPERATOR ASSEMBLY FOR FUEL CELL
EP2449613 A2 20120509	REVOLT TECHNOLOGY LTD [IE]	WO2010IB01817 20100630; US20090221998P 20090630; US20090230550P 2009	C08J5/18; H01M12/06; H01M12/08; H01M2/02; H01M4/86; H01M4/88; H01M8/02; H01M8/18; H01M8/22	METAL-AIR BATTERY WITH SILOXANE MATERIAL

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US2012121992 A1 20120517	FLUIDIC INC [US]	US201113229444 20110909; US20100412633P 20101111	H01M8/22	METAL-AIR CELL WITH HYDROPHOBIC AND HYGROSCOPIC IONICALLY CONDUCTIVE
EP2449618 A1 20120509	REVOLT TECHNOLOGY LTD [IE]	WO2010US40445 20100629; US20090221998P 20090630; US20100340293P 2010	H01M8/18; H01M8/22; H01M12/08	METAL-AIR FLOW BATTERY
US2012009491 A1 20120112	UNIV ARIZONA [US]	US201113096851 20110428; US20100329278P 20100429	H01M8/18; H01M8/22; H02J7/00	METAL-AIR ROOM-TEMPERATURE IONIC LIQUID ELECTROCHEMICAL CELL WITH LIQUID FUEL
US2012115072 A1 20120510	HYUNDAI MOTOR CO LTD [KR]	KR20100109472 20101105	H01M8/04	METALLIC POROUS BODY FOR FUEL CELL
EP2419949 A2 20120222	APPLIED MATERIALS INC [US]	WO2010US30936 20100413; US20090168886P 20090413; US20090180607P 20090522	H01M4/02; H01G9/042; H01M4/64; H01M8/02; H01M10/0525	METALLIZED FIBERS FOR ELECTROCHEMICAL ENERGY STORAGE
KR20120033661 A 20120409	KOREA ELECTRIC POWER CORP [KR]	KR20100095302 20100930	H01M8/12; C04B37/00; H01M8/02; H01M8/24	METAL-SUPPORTED SOLID OXIDE FUEL CELL AND MANUFACTURING METHOD
KR20120024841 A 20120314	BASF CORP [US]	US20090472104 20090526	B01J23/648; B01J23/63; B01J37/08; H01M8/06	METHANOL STEAM REFORMING CATALYSTS

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KR20120020499 A 20120308	KOREA ENERGY RESEARCH INST [KR]	KR20100084135 20100830	H01M8/04; B01J38/00; H01M4/86; H01M8/10	METHOD AND APPARATUS FOR CONTROLLING OPERATION OF DIRECT METHANOL FUEL CELL SYSTEM
US2012015263 A1 20120119	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/06; H01M8/04; H01M8/24	METHOD AND APPARATUS FOR DETERMINING HUMIDITY STATES OF INDIVIDUAL CELLS IN A FUEL CELL, METHOD AND APPARATUS FOR CONTROLLING HUMIDITY STATES OF INDIVIDUAL CELLS IN A FUEL CELL, AND A FUEL CELL SYSTEM
JP2012514301 A 20120621		AT20080002027 20081230; WO2009AT00496 20091223	H01M8/04; H01M8/06	METHOD AND APPARATUS FOR DISCHARGING USED OPERATING MEDIA OF A FUEL CELL, SOME OF WHICH ARE EXPLOSIVE
KR20120010703 A 20120206	UNIV KOREA RES & BUS FOUND [KR]	KR20100072195 20100727	C01B3/16; B01J31/16; C01B3/26; H01M8/06	Method and apparatus for generating hydrogen from ammonia borane compound
JP2012054044 A 20120315	TOYOTA MOTOR CORP [JP]; NIPPON SOKEN [JP]	JP20100194446 20100831	H01M4/88; H01M8/10	METHOD AND APPARATUS FOR MANUFACTURING GAS DIFFUSION LAYER OF FUEL CELL, AND FUEL CELL
US2012164548 A1 20120628	NITTA BHIMASHANKAR V [US]; CHAKULSKI BRIAN [US]; OLSOMMER BENOIT C [US201213397950 20120216; US20080279602 20080815; WO2006US11359 20060	H01M8/04; H01M8/24	METHOD AND APPARATUS FOR OPERATING A FUEL CELL IN COMBINATION WITH A

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JP4956996B2 B2 20120620		JP20030427216 20031224; WO2004JP18996 20041220; JP20050516483 200412	H01M8/06; B01D53/04; B01D53/86; B01J20/28	METHOD AND APPARATUS FOR PURIFYING AIR FOR FUEL CELL AND FUEL CELL
WO2012035195 A2 20120322	WAERTSILAE FINLAND OY [FI]; AASTROEM KIM [FI]; HAKALA TUOMAS [FI]; HOTTINEN TERO [FI]	FI20100005962 20100917	H01M8/04; H01M8/12	METHOD AND ARRANGEMENT FOR AVOIDING ANODE OXIDATION
WO2012080576 A1 20120621	WAERTSILAE FINLAND OY [FI]; AASTROEM KIM [FI]; LAITINEN MARKO [FI]	FI20100006334 20101217	H01M8/12; H01M8/00; H01M8/04	METHOD AND ARRANGEMENT FOR AVOIDING EARTH FAULT CURRENTS IN FUEL CEL
EP2452389 A1 20120516	WAERTSILAE FINLAND OY [FI]	WO2010FI50440 20100531; FI20090005775 20090708	H01M8/24; G01R31/36; H01M8/04; H01M8/12	METHOD AND ARRANGEMENT FOR IMPROVED CONTROLLABILITY OF FUEL CELL STA
WO2012025661 A1 20120301	WAERTSILAE FINLAND OY [FI]; AASTROEM KIM [FI]	FI20100005883 20100825	H01M8/04; H01M8/12	METHOD AND ARRANGEMENT TO CONTROL OPERATING CONDITIONS IN FUEL CELL DEVICE
WO2012069693 A1 20120531	WAERTSILAE FINLAND OY [FI]; HOTTINEN TERO [FI]	FI20100006241 20101124	H01M8/04	METHOD AND CONTROL ARRANGEMENT FOR A FUEL CELL DEVICE
JP2012043673 A 20120301	TOYOTA MOTOR CO LTD [JP]	JP20100184660 20100820	H01M8/04	METHOD AND DEVICE FOR EVALUATING FUEL BATTERY

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EP2452388 A1 20120516	COMMISSARIAT ENERGIE ATOMIQUE [FR]	WO2010FR51458 20100709; FR20090054767 20090709	H01M8/04	METHOD AND DEVICE FOR INCREASING THE LIFESPAN OF A PROTON EXCHANGE M
CN102332597 A 20120125	Tianjin University	CN20111259520 20110905	H01M8/20; C01B17/74; C01B17/80	Method and device for oxidative power generation and sulfuric acid preparation from sulfur dioxide
WO2012062423 A1 20120518	LITEC BATTERY GMBH [DE]; HOHENTHANNER CLAUS-RUPERT [DE]	DE201010050743 20101108	H01M6/46; H01M8/12; H01M8/24; H01M10/04; H01M10/0585; H01M10/14	METHOD AND DEVICE FOR PRODUCING AN ELECTROCHEMICAL ENERGY STORE
CN102376964 A 20120314	Shanghai Horizon Fuel Cell Technologies Co., Ltd.	CN20101256747 20100819	H01M8/04	Method and device for producing and storing hydrogen
WO2012069108 A1 20120531	DAIMLER AG [DE]; AKAY UEMIT [DE]; ERDMANN CHRISTIAN MARTIN [DE]	DE201010052738 20101126	H01M8/02; B21D22/20; B21D22/24; B21D26/00; B21D26/021	METHOD AND DEVICE FOR PRODUCING COMPONENTS FOR AN ELECTROCHEMICAL CE
EP2424025 A2 20120229	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE201010035949 20100831	H01M8/10; H01M4/88	Method and device for producing membrane-electrode units for fuel cells
CN102492506 A 20120613	Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences	CN20111412436 20111212	C10L3/10; C02F3/28; H01M8/16	Method and device for removing carbon dioxide in methane by organic waste water

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JP2012066199 A 20120405	TOKYO GAS CO LTD [JP]; UNIV NAGOYA [JP]; INST NAT COLLEGES TECH JAPAN	JP20100213773 20100924	B01D53/22; B01D71/02; C01B3/56; C22C27/02	METHOD AND DEVICE FOR SEPARATING HYDROGEN
CN102437356 A 20120502	SUNRISE POWER CO [CN]	CN20111412328 20111212	H01M8/04	Method and device for stopping and depressurizing fuel cell stack
JP2012009143 A 20120112	YOKOGAWA ELECTRIC CORP [JP]	JP20100141176 20100622	H01M8/04; G01N27/26	METHOD AND DEVICE OF ACQUIRING TAFEL PLOT
WO2012000558 A1 20120105	SIEMENS AG [DE]; BRANSTON DAVID WALTER [DE]	EP	H01M8/22; B01D61/02; C02F1/44; F03G7/00	METHOD AND SYSTEM FOR DISPOSAL OF BRINE SOLUTION
JP2012111981 A 20120614	TAKASAGO THERMAL ENGINEERING	JP20100259396 20101119	C25B15/00; C01B3/02; C25B1/10; C25B9/10; C25B15/08	METHOD AND SYSTEM FOR PRODUCING HYDROGEN
EP2413412 A1 20120201	HONDA MOTOR CO LTD [JP]	EP20040021132 20040906; JP20030315725 20030908	H01M8/02; H01M8/04; H01M2/14; H01M8/10; H01M8/24	Method and system for starting up fuel cell stack at subzero temperatures, and method of designing fuel cell stack
CN102496733 A 20120613	Ocean University of China	CN20111443472 20111227	H01M8/16; C02F3/34; C02F11/02; H01M4/88	Method for accelerating degradation of seabed organic pollutants by microbiological fuel cell catalysis
US2012121998 A1 20120517	ERGOSUP [FR]	FR20090003737 20090730; WO2010FR00546 20100728	H01M8/06; C25D3/00	METHOD FOR CO-GENERATION OF ELECTRIC ENERGY AND HYDROGEN

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CN102484272 A 20120530	DAIMLER AG [DE]	WO2010EP04662 20100730; DE200910040815 20090910; DE200910049761 2009	H01M8/04	Method for cold starting a fuel cell system and fuel cell system of a motor vehicle
CN102509809 A 20120620	Ocean University of China	CN20111443474 20111227	H01M8/16; H01M4/88; H01M8/02	Method for constructing ocean sediment microbial fuel battery with high output voltage and high output power
US2012052405 A1 20120301	ADAPTIVE MATERIALS INC [US]	US20100870191 20100827	H01M8/10; H01M8/06; H01M8/24	METHOD FOR CONTROLLING A FUEL CELL UTILIZING A FUEL CELL SENSOR
KR20120060284 A 20120612		KR20100121609 20101201	H01M8/04; G05D7/00; H01M8/10	Method for controlling air feed rate to improve the performance of f
JP2012003957 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100138153 20100617	H01M8/04	METHOD FOR CONTROLLING AMOUNT OF CATHODE GAS SUPPLY TO FUEL CELL SYSTEM AND FUEL CELL, AND METHOD FOR MEASURING AMOUNT OF CATHODE GAS SUPPLIED TO FUEL CELL
KR20120000634 A 20120104	HYUNDAI MOTOR CO LTD [KR]	KR20100060985 20100628	H01M8/04; F25D29/00; H01M8/10	METHOD FOR CONTROLLING FUEL CELL SYSTEM
KR20120045819 A 20120509	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100107637 20101101	H01M8/04; G05D7/00; H01M8/06; H01M8/10	METHOD FOR CONTROLLING HYDROGEN SUPPLY PRESSURE OF FUEL CELL
JP2012003956 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100138148 20100617	H01M8/04	METHOD FOR CONTROLLING SUPPLY AMOUNT OF CATHODE GAS TO FUEL CELL SYSTEM AND FUEL CELL AND METHOD FOR MEASURING SUPPLY AMOUNT OF CATHODE GAS TO FUEL CELL

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US2012122004 A1 20120517	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100114233 20101117	H01M8/04; F04B49/20	METHOD FOR CONTROLLING TEMPERATURE OF FUEL CELL SYSTEM
CN102473942 A 20120523	TOYOTA MOTOR CO LTD [JP]	JP	H01M8/04; H01M8/10	Method for controlling water content in fuel cell and fuel cell system
US2012122001 A1 20120517	HYUNDAI MOTOR CO LTD [KR]	KR20100113062 20101114	H01M8/04	METHOD FOR DETERMINING AMOUNT OF REACTANT GASES SUPPLIED TO FUEL CEL
WO2012026052 A1 20120301	PANASONIC CORP [JP]; MITSUI MASAKI [JP]; AKIYAMA TAKASHI	JP20100186329 20100823	H01M8/04	METHOD FOR DETERMINING DEGRADATION IN FUEL CELL
US2012111732 A1 20120510	BASF SE [DE]	EP20090165219 20090710; WO2010EP59771 20100708	C25B1/02; H01M8/06	METHOD FOR DIRECT AMINATION OF HYDROCARBONS TO FORM AMINO HYDROCARBO
KR20120059900 A 20120611		KR20100121394 20101201	H01M8/04; B60L3/00; B60L11/18; B60W10/28	Method for driving in hydrogen purge valve failure
KR20120006499 A 20120118	BASF SE [DE]	EP20090157394 20090406	C01B3/50; B01J19/24; C07C2/76; H01M8/06	METHOD FOR ELECTROCHEMICALLY REMOVING HYDROGEN FROM A REACTION MIXTURE
CN102456903 A 20120516	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101522905 20101027	H01M8/06; C25B1/02; C25B13/08	Method for electrolytically preparing hydrogen from formic acid
CN102341528 A 20120201	SONY CORP [JP]	WO2010JP53286 20100302; JP20090054493 20090309	C25B1/00; H01M8/16	Method for electrolyzing fuel

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KR20120054141 A 20120530	HYUNDAI MOTOR CO LTD [KR]	KR20100115374 20101119	H01M8/04; B60L11/18; G01R31/36	METHOD FOR ESTIMATING HYDROGEN RECIRCULATION FLOW RATE OF FUEL CELL
JP2012104315 A 20120531	TOYOTA MOTOR CO LTD [JP]	JP20100250718 20101109	H01M8/04; H01M4/86; H01M4/88	METHOD FOR EVALUATING CATALYST ELECTRODE LAYER
KR20120056030 A 20120601		KR20100117534 20101124	G01R31/36; G01R19/165; H01M8/04	METHOD FOR EVALUATING FUEL BATTERY UNIT CELL
CN102337560 A 20120201	Peking University Shenzhen Graduate School	CN20111241328 20110822	C25C1/20; H01M8/06	Method for extracting silver from photoactive waste liquid by utilizing microbial fuel cell
WO2012022363 A1 20120223	UNIV ALBERT LUDWIGS FREIBURG [DE]; HUSSEIN LAITH [DE]; KRUEGER MICHAEL [DE]; URBAN GERALD [DE]	EP	B82Y30/00; H01M4/86; H01M4/88; H01M4/92; H01M4/96; H01M8/16	METHOD FOR FABRICATING ELECTRODES FOR ONE- COMPARTMENT FUEL CELLS BASED ON CARBON NANOTUBE BUCKYPAPER
KR20120000650 A 20120104	HYUNDAI HYSKO [KR]	KR20100061006 20100628	H01M8/02; C23C18/00; C23C26/00; H01M8/10	METHOD FOR FABRICATING METAL SEPARATOR USING HYDROPHILIC TRETMENT
GB2484434 A 20120411	AKAD GORNICZO HUTNICZA [PL]	WO2010PL00058 20100712; PL20090388558 20090717	H01M8/02; H01M4/86; H01M4/88; H01M8/12	Method for fabrication of electrochemical energy converter and the electrochemical energy converter
US2012070752 A1 20120322	GM GLOBAL TECH OPERATIONS INC [US]	US20100884361 20100917	H01M8/04; C23F1/00; H01M8/00	METHOD FOR FORMING CHANNELS ON DIFFUSION MEDIA FOR A MEMBRANE HUMIDIFIER

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US2012028151 A1 20120202	INER AEC EXECUTIVE YUAN [TW]	TW20100124904 20100728	H01M8/04; H01M8/24	METHOD FOR FUEL CELL SYSTEM CONTROL AND A FUEL CELL SYSTEM USING THE SAME
AU2010289372 A1 20120329	ROLLS ROYCE FUEL CELL SYSTEMS US INC [US]	US20090554039 20090904; WO2010US47831 20100903	H01M8/06	Method for generating a gas which may be used for startup and shutdown of a fuel cell
US2012052409 A1 20120301	PANASONIC CORP [JP]	JP20100014975 20100127; WO2010JP06866 20101125	H01M8/04; H01M8/10	METHOD FOR GENERATING AN ELECTRIC POWER WITH USE OF A FUEL CELL AND A FUEL CELL
JP2012041225 A 20120301	DAIKOH SHOJI CORP; NISHIDA YASUSHI; LIU CHUNG MING	JP20100182829 20100818	C01B3/22; C01B3/24; H01M8/00; H01M8/06	METHOD FOR GENERATING HYDROGEN, DEVICE FOR PERFORMING THE METHOD, AND AUTOMOBILE FUEL POWER GENERATOR USING THE DEVICE
US2012025619 A1 20120202	GM GLOBAL TECH OPERATIONS INC [US]	US20100844648 20100727	H02J4/00; H01M8/04	METHOD FOR HIGH VOLTAGE BUS CONTROL IN FUEL CELL VEHICLES
US2012003552 A1 20120105	BARNETT SCOTT A [US]; BLERSCHANK DAVID M [US]; WILSON JAMES R [US]	US201113156230 20110608; US20100352656P 20100608	H01M8/06; C25B3/00; H01M8/04	METHOD FOR IMPROVING THE EFFICIENCY AND DURABILITY OF ELECTRICAL ENERGY STORAGE USING SOLID OXIDE ELECTROLYSIS CELL
DE102010040766 A1 20120315	BOSCH GMBH ROBERT [DE]	DE201010040766 20100914	H02P21/00; H01M8/04	Method for increasing temperature of e.g. electrical turbo compressor utilized for supplying air to fuel cell of fuel cell system to produce electricity, involves producing heat- producing current flow in coil to produce magnetic field
US2012115050 A1 20120510	KOREA INST SCI & TECH [KR]	KR20100109421 20101104	H01M8/10; H01M8/00	METHOD FOR IN-SITU PREPARATION OF POLYBENZIMIDAZOLE-BASED ELECTROLYT

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EP2463408 A1 20120613	BAYER MATERIALSCIENCE AG [DE]	DE201010062803 20101210	C25B11/03; H01M8/02	Method for installing oxygen consumption electrodes in electrochemic
WO2012002579 A1 20120105	W L GORE & AMP ASSOCIATES CO LTD [JP]; OHASHI NAOKI [JP]; NANBA TAKAFUMI [JP]	JP20100151319 20100701	B32B37/10; B32B27/00; B32B27/30; H01M4/88; H01M4/96; H01M8/02; H01M8/10	METHOD FOR LAMINATING COMPOSITE SHEET USING RELEASE FILM, LAMINATE OBTAINED BY THE METHOD, AND RELEASE FILM FOR USE IN THE METHOD
KR20120031021 A 20120329	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20090157809 20090702	H01M8/04; C01B3/38; H01M8/06; H01M8/12	METHOD FOR LOAD FOLLOW-UP OPERATION OF FUEL CELL SYSTEM
CN102317506 A 20120111	COMMISSARIAT ENERGIE ATOMIQUE [FR]	WO2010EP50082 20100106; FR20090050071 20090107	C25B9/10; C25B1/04; H01M8/12	Method for making a high-temperature electrolyser or a high-temperature fuel cell including a stack of elementary cells
JP2012514827 A 20120628		FR20090000015 20090105; WO2009EP67826 20091223	H01M4/88; H01M4/86	METHOD FOR MAKING A NICKEL CERMET ELECTRODE
KR101149351B B1 20120530	NURIPLAN CO LTD [KR]	KR20120011078 20120203	H01M8/18; H01M8/02	METHOD FOR MANUFACTURING BIPOLAR PLATE FOR REDOX FLOW BATTERY
DE102010048761 A1 20120419	DAIMLER AG [DE]	DE201010048761 20101016	H01M8/02	Method for manufacturing bipolar plate of fuel cell stack of vehicle, involves forming frame part and inner part of bipolar plate separately by reshaping semi-finished product using different reforming procedures
JP2012082105 A 20120426	TOYOTA MOTOR CO LTD [JP]	JP20100229599 20101012	C01B31/02; H01M4/88; H01M4/96	METHOD FOR MANUFACTURING CARBON NANOTUBE FOR FUEL CELL, AND ELECTRODE CATALYST FOR FUEL CELL

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JP2012005969 A 20120112	TOYOTA MOTOR CO LTD [JP]	JP20100144714 20100625	B01J37/02; B01J23/44	METHOD FOR MANUFACTURING CATALYST SUPPORTING CARRIER, AND METHOD FOR MANUFACTURING ELECTRODE CATALYST
JP2012035178 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100176404 20100805	B01J37/08; B01J23/89; H01M4/88; H01M4/90	METHOD FOR MANUFACTURING CATALYST, AND CATALYST
JP2012051016 A 20120315	TOYOTA BOSHOKU CORP [JP]	JP20100197086 20100902	B21D22/02	METHOD FOR MANUFACTURING COMPACT
DE102010052742 A1 20120531	DAIMLER AG [DE]	DE201010052742 20101126	H01M10/02; B21D26/02; B21D35/00; B21D51/18; H01M2/14; H01M2/18; H01M8/10	Method for manufacturing components e.g. cathode for electrochemical
DE102010052741 A1 20120531	DAIMLER AG [DE]	DE201010052741 20101126	H01M10/02; B21D26/02; B21D35/00; B21D51/18; H01M2/14; H01M2/18; H01M8/10	Method for manufacturing e.g. separator plate for fuel cell, involve
WO2012086597 A1 20120628	SHOWA DENKO KK [JP]; IMAI TAKUYA [JP]; ICHIOKA KAZUNORI [JP]; YU CHU	JP20100285729 20101222	H01M4/88; H01M4/90; H01M8/10	METHOD FOR MANUFACTURING ELECTROCATALYST FOR FUEL CELL AND USE THERE

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JP2012022806 A 20120202	TOPPAN PRINTING CO LTD [JP]; UNIV TOKYO	JP20100157947 20100712	H01M4/88; H01M4/90; H01M8/10	METHOD FOR MANUFACTURING ELECTRODE CATALYST FOR FUEL CELL, ELECTRODE CATALYST LAYER FOR FUEL CELL, MEMBRANE ELECTRODE ASSEMBLY FOR POLYMER ELECTROLYTE FUEL CELL, AND POLYMER ELECTROLYTE FUEL CELL
JP2012043612 A 20120301	TOPPAN PRINTING CO LTD [JP]	JP20100183181 20100818	H01M4/88; B01J23/42; B01J37/02; H01M8/02; H01M8/10	METHOD FOR MANUFACTURING ELECTRODE CATALYST LAYER AND SOLID POLYMER FUEL CELL
JP2012113921 A 20120614	HONDA MOTOR CO LTD [JP]	JP20100261005 20101124	H01M8/02; H01M4/86; H01M4/88; H01M8/10	METHOD FOR MANUFACTURING ELECTROLYTE MEMBRANE-ELECTRODE ASSEMBLY FOR FUEL CELL
JP2012109135 A 20120607	HONDA MOTOR CO LTD [JP]	JP20100257523 20101118	H01M8/02; H01M8/10	METHOD FOR MANUFACTURING ELECTROLYTE MEMBRANE-ELECTRODE ASSEMBLY FOR FUEL CELL
JP2012084268 A 20120426	SHARP KK [JP]	JP20100227487 20101007	H01M8/02; H01M8/24	METHOD FOR MANUFACTURING FUEL BATTERY AND FUEL BATTERY
CN102484257 A 20120530	NISSAN MOTOR [JP]	WO2010JP65129 20100903; JP20090209734 20090910	H01M4/88; H01M4/86; H01M8/10	Method for manufacturing fuel cell gas diffusion layer, fuel cell gas diffusion layer, and fuel cell
JP2012009267 A 20120112	HONDA MOTOR CO LTD [JP]	JP20100144100 20100624	H01M8/02; C25D5/02; C25D5/36	METHOD FOR MANUFACTURING FUEL CELL SEPARATOR

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WO2012073271 A1 20120607	TOYOTA MOTOR CO LTD [JP]; WATANABE KAZUHIRO [JP]; NAGANO TAKUJI [JP]	JP	H01M8/24	METHOD FOR MANUFACTURING FUEL CELL, DEVICE FOR MANUFACTURING FUEL CE
JP2012096381 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100243787 20101029	B29C70/16; B29C70/06; F16J12/00; F17C1/06	METHOD FOR MANUFACTURING HIGH-PRESSURE TANK
CN102354762 A 20120215	Chengde Wanlitong Industrial Group Co., Ltd.; Tsinghua University	CN20111291509 20110930	H01M8/18	Method for manufacturing high-purity vanadium battery electrolyte
JP2012021099 A 20120202	ASTOM KK	JP20100161017 20100715	C08J5/22; B32B5/22; C08F2/00	METHOD FOR MANUFACTURING ION EXCHANGE MEMBRANE
JP2012099379 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100247155 20101104	H01M8/02; H01M4/86	METHOD FOR MANUFACTURING MEMBRANE ELECTRODE ASSEMBLY
JP2012064427 A 20120329	TOYOTA MOTOR CO LTD [JP]	JP20100207528 20100916	H01M8/02; C08J5/18; C08L33/24; C08L61/28; H01B1/06; H01M8/10	METHOD FOR MANUFACTURING MEMBRANE, AND ELECTROLYTE MEMBRANE FOR FUEL CELL
WO2012081169 A1 20120621	PANASONIC CORP [JP]; MATSUMURA JUN; TSUJI YOICHIRO	JP20100280293 20101216	H01M8/02; H01M4/88; H01M8/10	METHOD FOR MANUFACTURING MEMBRANE- CATALYST LAYER ASSEMBLY

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DE102010025812 A1 20120105	DAIMLER AG [DE]	DE201010025812 20100701	H01M8/02	Method for manufacturing planar component i.e. gas diffusion layer for fuel cell, involves fixing inflexible and/or brittle base material of component on conveyor belt, and conveying belt to machining tool that cuts base material
DE102010052739 A1 20120531	DAIMLER AG [DE]	DE201010052739 20101126	H01M10/02; B21D26/02; B21D35/00; B21D51/18; H01M2/14; H01M2/18; H01M8/10	Method for manufacturing planar components for e.g. fuel cell, invol
JP2012124161 A 20120628	BASF FUEL CELL RES GMBH [DE]	JP20110263723 20111201	H01M8/02; C08J5/18; C08J7/00; H01B13/00; H01M8/10	METHOD FOR MANUFACTURING POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL
JP2012124012 A 20120628	SUMITOMO ELECTRIC INDUSTRIES [JP]; TOYAMA SUMITOMO DENKO KK	JP20100273550 20101208	H01M4/80; H01M4/86	METHOD FOR MANUFACTURING POROUS STRUCTURE OF METAL HAVING HIGH CORROSION RESISTANCE
JP2012062426 A 20120329	NITTO DENKO CORP [JP]; JAPAN ATOMIC ENERGY AGENCY [JP]	JP20100209098 20100917	C08J5/22; C08F8/36; C08F259/08; H01B13/00; H01M8/02	METHOD FOR MANUFACTURING PROTON CONDUCTIVE POLYMER ELECTROLYTE FILM
JP2012084460 A 20120426	PANASONIC CORP [JP]	JP20100231252 20101014	H01B13/00; C01G25/00; G01N27/406; H01M8/02	METHOD FOR MANUFACTURING PROTON CONDUCTOR THIN FILM

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KR20120041757 A 20120502	W L GORE & AMP ASSOCIATES CO LTD [JP]	JP20090187130 20090812	H01M4/88; H01M8/02; H01M8/10	METHOD FOR MANUFACTURING REINFORCED MEMBRANE ELECTRODE ASSEMBLY AND
JP2012043776 A 20120301	KOBE STEEL LTD [JP]	JP20100163407 20100720; JP20110130317 20110610	H01M8/02	METHOD FOR MANUFACTURING SEPARATOR FOR FUEL CELL SYSTEM
JP2012122125 A 20120628	CENTRAL RES INST ELECT	JP20100276284 20101210	C23C8/10; B01J23/72; B01J37/02; C01G3/02	METHOD FOR MANUFACTURING SURFACE-MODIFIED COPPER MEMBER, CATALYST MEMBER AND ORGANIC SYNTHESIS METHOD USING THE SAME
JP2012043775 A 20120301	KOBE STEEL LTD [JP]	JP20100163405 20100720; JP20110130316 20110610	H01M8/02	METHOD FOR MANUFACTURING TITANIC SEPARATOR FOR FUEL CELL
JP2012028047 A 20120209	KOBE STEEL LTD [JP]	JP20100163406 20100720	H01M8/02	METHOD FOR MANUFACTURING TITANIUM SEPARATOR FOR FUEL CELL
JP2012077381 A 20120419	BAYER MATERIALSCIENCE AG [DE]	DE201010042004 20101005	C25B11/08; H01M4/86; H01M4/88; H01M4/90	METHOD FOR MANUFACTURING TRANSPORT- AND STORAGE-STABLE OXYGEN-CONSUMING ELECTRODE
CN102306817 A 20120104	South China University of Technology	CN20111227092 20110809	H01M8/10	Method for manufacturing U-shaped hollow fiber solid oxide fuel cell
WO2012076472 A1 20120614	BAYER MATERIALSCIENCE AG [DE]; THYSSENKRUPP UHDE GMBH [DE]; BULAN AN	DE201010054159 20101210	C25B11/03; H01M8/02	METHOD FOR MOUNTING OXYGEN CONSUMING- ELECTRODES IN ELECTROCHEMICAL C

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US2012021312 A1 20120126	FINKE THOMAS [DE]; FINKE ULRICH [DE]	DE200910000075 20090108; WO2010EP50102 20100107	H01M8/06; C01B21/22; C12P3/00; F23L7/00	METHOD FOR OBTAINING DINITROGEN OXIDE
US2012107712 A1 20120503	BASF SE [DE]	EP20090009249 20090716; WO2010EP04210 20100709	H01M8/04; H01M8/10	METHOD FOR OPERATING A FUEL CELL, AND A CORRESPONDING FUEL CELL
DE102010034271 A1 20120216	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE201010034271 20100813	H01M8/02; H01M8/10	Method for operating fuel cell e.g. solid-oxide fuel cell of auxiliary power unit for e.g. lorry, involves using urea or aqueous urea solution as fuel on anode side of fuel cell, where solution is conducted to anode side of cell over pump
KR20120004816 A 20120113	HYUNDAI MOTOR CO LTD [KR]	KR20100065501 20100707	H01M8/04; G05D7/00; G05D22/00	METHOD FOR OPERATING FUEL CELL SYSTEM
WO2012053324 A1 20120426	NISSAN MOTOR [JP]; NISHIMURA HIDETAKA; IKEZOE KEIGO; SATO MASASHI	JP20100236305 20101021	H01M8/04	METHOD FOR OPERATING FUEL CELL SYSTEM
DE102010056416 A1 20120112	VOLKSWAGEN AG [DE]	DE201010026469 20100707; DE201010056416 20101223	H01M8/08; H01M8/04	Method for operating high temperature polymer electrolyte membrane fuel cell for vehicle, involves rewarming fuel cell to operating temperature by pressurizing at specific voltage which is predesignated as function of required power
DE102011106815 A1 20120126	DAIMLER AG [DE]	DE201110106815 20110707	H01M8/04; B60W10/28	Method for operating multiple control units for e.g. bypass valve of fuel cell arrangement for motor car, involves controlling component of fuel cell arrangement based on determined control command

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WO2012063414 A1 20120518	PANASONIC CORP [JP]; KASAHARA HIDEO; ISHIKAWA HIROSHI; OKANISHI TAKE	JP20100253801 20101112	H01M8/04	METHOD FOR OPERATING SOLID POLYMER FUEL CELL SYSTEM, AND SOLID POLYM
EP2462647 A1 20120613	DAIMLER AG [DE]	DE200910036199 20090805; WO2010EP04379 20100719	H01M8/04	METHOD FOR OPERATION OF A FUEL CELL SYSTEM IN A VEHICLE
US2012028167 A1 20120202	UNIV NANYANG TECH [SG]	US201113193143 20110728; US20100368460P 20100728	H01M8/10; B29C39/00; B29C67/20; C08G73/10	METHOD FOR PREPARING A POROUS POLYIMIDE FILM AND A COMPOSITE MEMBRANE COMPRISING THE SAME
CN102376970 A 20120314	Institute of Metal Research Chinese Academy of Sciences	CN20101250560 20100811	H01M8/18	Method for preparing all-vanadium ion redox flow battery electrolyte
CN102340017 A 20120201	CHINA ELECTRIC POWER RES INST	CN20111306709 20111012	H01M8/18; H01M4/88	Method for preparing aluminum/hydrogen peroxide monomer batteries
US2012038079 A1 20120216	RAIGI; COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20090050553 20090129; WO2010EP51049 20100129	H01B1/24; H01M8/02	METHOD FOR PREPARING AN ELECTRICALLY CONDUCTING ARTICLE
KR20120023584 A 20120313	HYUPJIN I & AMP C CO LTD [KR]	KR20100086595 20100903	H01M8/02; D01F9/12; H01M8/10	METHOD FOR PREPARING CARBON SUBSTRATE COMPRISING ACTIVATED CARBON FIBER, CARBON SUBSTRATE PREPARED THEREBY
KR20120021408 A 20120309	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100073821 20100730	H01M4/92; B01J21/18; B01J23/42; H01M8/10	METHOD FOR PREPARING CATALYSTS OF FUEL CELL AND CATALYSTS OF FUEL CELL THEREOF

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CN102468509 A 20120523	China National Offshore Oil Corporation;CNOOC New Energy Investment Co., Ltd.;Shanghai Jiao Tong University	CN20101546949 20101116	H01M8/18	Method for preparing electrolyte for vanadium battery
CN102376969 A 20120314	Shanyang Yinhua Mining Co., Ltd.	CN20101250079 20100809	H01M8/18	Method for preparing electrolyte mother liquor for VRB battery
CN102468508 A 20120523	No.63971 Troops, PLA	CN20101539919 20101111	H01M8/18	Method for preparing electrolyte of vanadium flow battery
CN102522570 A 20120627	SUNRISE POWER CO [CN]	CN20111453495 20111229	H01M4/88; H01M8/02	Method for preparing enhanced membrane electrode (MEA) of proton exchange membrane fuel cell (PEMFC)
CN102468506 A 20120523	Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences	CN20101551599 20101116	H01M8/06; C01B3/26	Method for preparing hydrogen by catalyzing and decomposing formic acid in functional ionic liquid
US2012058414 A1 20120308	KOREA INST SCI & TECH [KR]	KR20090040398 20090508; WO2009KR05961 20091016	H01M8/10; B44C1/17	METHOD FOR PREPARING MEMBRANE-ELECTRODE ASSEMBLY, MEMBRANE-ELECTRODE ASSEMBLY PREPARED THEREFROM AND FUEL CELL COMPRISING THE SAME
JP2012505820 A 20120308		KR20080100491 20081014; WO2009KR04401 20090806	C01G25/00; C04B35/622; C04B41/85; H01M4/86; H01M4/88; H01M8/02; H01M8/12	METHOD FOR PREPARING METAL OXIDE SOL, METHOD FOR PREPARING METAL OXIDE THIN FILM USING SAID SOL, AND SOLID OXIDE FUEL CELL COMPRISING SAID THIN FILM

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JP2012505735 A 20120308		CZ20080000630 20081017; WO2009CZ00122 20091016	B01J23/66; B01J37/02; C23C14/06; H01M4/90	METHOD FOR PREPARING OXIDATION CATALYST AND CATALYSTS PREPARED BY THE METHOD
KR20120007807 A 20120125	NAT UNIV CHONBUK IND COOP FOUN [KR]	KR20100068517 20100715	H01M8/12; C04B38/10; H01M8/02	METHOD FOR PREPARING POROUS CERMET BY HIGH-FREQUENCY INDUCTION-HEATED SINTERING AND ANODE SUPPORT FOR SOLID OXIDE FUEL CELLS THEREOF
KR20120012226 A 20120209	UNIV YONSEI IACF [KR]	KR20100074258 20100730	C01B31/02; B82B1/00; H01M8/02; H01M10/02	Method for preparing porous fullerene using by catalytic combustion
CN102321265 A 20120118	Donghua University	CN20111190887 20110708	C08J7/14; C08L1/02; H01M2/16; H01M8/02	Method for preparing proton exchange membranes from modified bacterial cellulose membranes and application thereof
KR20120014334 A 20120217	UNIV CHUNG ANG IND [KR]	KR20100076311 20100809	H01M8/02; B23K26/00; H01M8/10; H01S3/10	METHOD FOR PROCESSING SEPARATOR PLATE AND A SEPARATOR PLATE USING THE SAME
KR20120014335 A 20120217	UNIV CHUNG ANG IND [KR]	KR20100076313 20100809	H01M8/02; B23H1/00; H01M8/10; H01S3/10	METHOD FOR PROCESSING SEPARATOR PLATE AND SEPARATOR PLATE USING THE SAME
KR20120039553 A 20120425	TOKAI CARBON KK [JP]	JP20090153688 20090629	H01M8/02; H01M8/10	METHOD FOR PRODUCING A FUEL CELL SEPARATOR
EP2456545 A1 20120530	METAL MEMBRANES COM B V [NL]	NL20092003250 20090720; WO2010NL00115 20100720	B01D71/02; B01D67/00; C25D11/02; H01M8/22	METHOD FOR PRODUCING A MEMBRANE AND SUCH MEMBRANE

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WO2012060275 A1 20120510	EAMEX CORP [JP]; FUJIWARA KEISHI [JP]; IKEDA YOKO [JP]; KAMIYAMAGUCH	JP20100245613 20101101	C25D7/00; H01M4/04	METHOD FOR PRODUCING A POLYELECTROLYTE COMPLEX
US2012164557 A1 20120628	UBE INDUSTRIES [JP]	US201213411093 20120302; JP20050060778 20050304; JP20050243728 20050	H01M8/10; H01M8/00	METHOD FOR PRODUCING A POLYMER ELECTROLYTE MEMBRANE
KR20120040605 A 20120427	SNU R& DB FOUNDATION [KR]	KR20100102118 20101019	H01M8/12; H01M4/86; H01M8/02	METHOD FOR PRODUCING A POSITIVE ELECTRODE MATERIAL FOR FUEL CELL AND POSITIVE ELECTRODE MATERIAL PRODUCED BY THE SAME METHOD
WO2012000622 A1 20120105	DAIMLER AG [DE]; BERGER KLAUS [DE]; TOBER HARALD [DE]	DE201010025814 20100701	H01M8/10; H01M8/02	METHOD FOR PRODUCING AN ION-CONDUCTIVE MEMBRANE
JP2012066950 A 20120405	NISSAN MOTOR [JP]	JP20100211098 20100921	C01B31/02; H01M4/583	METHOD FOR PRODUCING CARBON MATERIAL
EP2424817 A1 20120307	BAYER TECHNOLOGY SERVICES GMBH [DE]	WO2010EP02440 20100421; DE200910019747 20090502	C01B31/02; B01J27/20; C25B11/12; H01M8/02	METHOD FOR PRODUCING CARBON MATERIALS HAVING NITROGEN MODIFICATION STARTING FROM CARBON NANOTUBES
EP2415521 A1 20120208	JX NIPPON OIL & AMP ENERGY CORP [JP]	WO2010JP00865 20100212; JP20090084776 20090331	B01J37/02; B01J23/46; H01M8/06; H01M8/10	METHOD FOR PRODUCING CATALYST FOR USE IN SELECTIVE OXIDATION REACTION OF CARBON MONOXIDE

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EP2436071 A1 20120404	SOLVICORE GMBH & CO KG [DE]	WO2010EP03226 20100527; DE200910023160 20090529; EP20090010356 20090	H01M4/86; B41M1/10; B41N1/06; G03F5/20; H01M4/88; H01M8/10	METHOD FOR PRODUCING CATALYST LAYERS FOR FUEL CELLS
JP2012074347 A 20120412	EQUOS RES CO LTD	JP20100194320 20100831; JP20110034054 20110219	H01M4/88; H01M4/86; H01M8/10	METHOD FOR PRODUCING CATALYST PASTE AND APPARATUS THEREOF
JP2012074346 A 20120412	EQUOS RES CO LTD	JP20100194319 20100831; JP20110034053 20110219	H01M4/88; H01M4/86; H01M8/10	METHOD FOR PRODUCING CATALYST PASTE AND APPARATUS THEREOF
JP2012011296 A 20120119	SUMITOMO CHEMICAL CO [JP]	JP20100149333 20100630	B01J21/18; B01J37/10; C25B11/04; H01M4/88; H01M4/90	METHOD FOR PRODUCING ELECTRODE CATALYST
WO2012002550 A1 20120105	SUMITOMO CHEMICAL CO [JP]; HATTORI TAKESHI [JP]; ITO YUTAKA [JP]; MAKI HAJIME [JP]; OTA KENICHIRO [JP]	JP20100149334 20100630	B01J27/24; B01J37/04; B01J37/10; C25B11/06; H01M4/88; H01M4/90; H01M8/10	METHOD FOR PRODUCING ELECTRODE CATALYST
CN102511099 A 20120620	TOYOTA JIDOSHOKKI KK [JP];Helmholtz-Zentrum Berlin Fuer Materialien Und Energie GmbH,	JP	H01M4/88; H01M4/92; H01M8/10	Method for producing electrode catalyst for fuel cell

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EP2412436 A1 20120201	SUMITOMO CHEMICAL CO [JP]	WO2010JP55491 20100323; JP20090078937 20090327	B01J21/18; C25B11/06; H01M4/88; H01M4/90; H01M8/10	METHOD FOR PRODUCING ELECTRODE CATALYST, AND ELECTRODE CATALYST
WO2012008249 A1 20120119	SHOWA DENKO KK [JP]; IMAI TAKUYA [JP]; WAKIZAKA YASUAKI [JP]; OTA KENICHIRO [JP]	JP20100160638 20100715	H01M4/88; B01J27/24; H01M4/90; H01M8/10	METHOD FOR PRODUCING FUEL CELL CATALYST, FUEL CELL CATALYST, AND USE THEREOF
US2012152451 A1 20120621	TOYOTA MOTOR CO LTD [JP]	US201213403512 20120223; JP20060175324 20060626; US20080304819 20081	B32B38/08; B32B37/14; B32B38/10; H01M8/10	METHOD FOR PRODUCING FUEL CELL ELECTROLYTE MEMBRANE AND METHOD FOR P
JP2012031323 A 20120216	UNIV KAGAWA	JP20100173205 20100731	C08J7/00; B29C59/14; C08J9/36	METHOD FOR PRODUCING HIGHLY WATER-AND-OIL REPELLANT RESIN MEMBER, HIGHLY WATER-AND- OIL REPELLANT RESIN MEMBER, AND HIGHLY WATER-AND-OIL REPELLANT MEMBER USING THE SAME
JP4858890B2 B2 20120118		JP20020185563 20020626; WO2003JP06050 20030515; JP20040517242 20030515	C01B3/10; B01J7/02; B01J8/00; B01J8/02; C01B3/06; H01M8/06	METHOD FOR PRODUCING HYDROGEN AND APPARATUS FOR SUPPLYING HYDROGEN
DE102010035229 A1 20120301	LINDE AG [DE]	DE201010035229 20100824	C25B15/00; C25B1/04; F01K3/08; H01M8/06	Method for producing hydrogen used in fuel cell, by electrolysis of water, involves storing waste heat generated during electrolysis of water and converting heat energy into electrical energy by steam turbine process

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JP2012072130 A 20120412	NIPPON NYUKAZAI CO LTD	JP20100192896 20100830; JP20110188016 20110830	C07C303/02; C07C213/08; C07C215/40; C07C303/24; C07C305/10; C07C309/12; C07D233/02; C07F9/09	METHOD FOR PRODUCING IONIC LIQUID
WO2012069342 A1 20120531	SHELL INT RESEARCH [NL]; DICKENS NIGEL LAWRENCE [GB]; GUPTA NIKUNJ	US20100415951P 20101122	C01B3/34; F25J1/00; H01M8/06	METHOD FOR PRODUCING LIQUID HYDROGEN AND ELECTRICITY
DE102010049549 A1 20120426	DAIMLER AG [DE]	DE201010049549 20101025	H01M8/02	Method for producing membrane assembly for fuel cell, involves forming membrane on frame such that both ends of frame are surrounded by the upper and lower seals
WO2012029444 A1 20120308	NOK CORP [JP]; SHIMAZOE TOSHIHIRO [JP]; WATANABE SHIGERU [JP]	JP20110057350 20110316; JP20100197682 20100903	B29C69/00; B29C45/14; B29D99/00; H01M8/02	METHOD FOR PRODUCING MOLDED GASKET
JP2012054133 A 20120315	MITSUBISHI RAYON CO [JP]	JP20100196410 20100902	H01M4/88	METHOD FOR PRODUCING POROUS CARBON ELECTRODE BASE MATERIAL

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WO2012035784 A1 20120322	NITTO DENKO CORP [JP]; JAPAN ATOMIC ENERGY AGENCY [JP]; EMORI HIDEYUKI [JP]; HIGUCHI HIROYUKI [JP]; OGINO YOSHIKO [JP]; ASANO MASAHARU [JP]; MAEKAWA YASUNARI [JP]	JP20100209099 20100917	C08J5/22; C08F259/08; C08F291/00; H01B1/06; H01B13/00; H01M8/02; H01M8/10	METHOD FOR PRODUCING PROTON-CONDUCTIVE POLYMER ELECTROLYTE MEMBRANE
EP2465863 A1 20120620	TOKYO INST TECH [JP]	JP20090187729 20090813; JP20090272239 20091130; WO2010JP52852 201002	C01G25/06; C07F19/00; C07F7/00; C07F9/38; H01B1/06; H01B13/00; H01M8/02; H01M8/10	METHOD FOR PRODUCING STRONGLY ACIDIC ZIRCONIUM PARTICLES, METHOD FOR
KR20120032331 A 20120405	KOREA ENERGY RESEARCH INST [KR]	KR20100093925 20100928	H01M8/12; H01M8/02; H01M8/24	METHOD FOR PRODUCING UNIT CELL OF FLAT- TUBULAR FUEL-CELL
DE102010032856 A1 20120202	FORSCHUNGSZENTRUM JUELICH GMBH [DE]; FRAUNHOFER GES FORSCHUNG [DE]; RWTH AACHEN [DE]	DE201010032856 20100730	H01M8/02	Method for production of bipolar plate for e.g. direct methanol-fuel cell, involves locally removing portion of corrosion protection layer to expose regions of metallic plate, and depositing noble metal on exposed regions of metallic plate

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CN102468501 A 20120523	Dalian Institute of Chemical Physics, Chinese Academy of Sciences; China National Offshore Oil Corporation; CNOOC New Energy Investment Co., Ltd.	CN20101545847 20101116	H01M8/04	Method for protecting catalytic membrane in preparation of one-piece renewable fuel cell membrane electrode assembly (MEA)
KR20120004984 A 20120113	BASF SE [DE]	EP20090157395 20090406	C01B3/50; C07C2/76; C07C15/04; H01M8/06	METHOD FOR REACTING NATURAL GAS TO AROMATICS WHILE ELECTROCHEMICALLY REMOVING HYDROGEN
KR20120016279 A 20120223	BASF CORP [US]	US20090466903 20090515	H01M4/86; B01J38/60; B09B3/00; H01M8/10	METHOD FOR RECOVERING CATALYTIC ELEMENTS FROM FUEL CELL MEMBRANE ELECTRODE ASSEMBLIES
CN102306812 A 20120104	China Huaneng Group Cleaning Energy Technology Research Institute Co., Ltd.	CN20111257157 20110901	H01M8/00	Method for recycling electrolyte substrate waste material of molten carbonate fuel cell
CN102386428 A 20120321	WUHAN INTEPOWER DUEL CELLS CO LTD	CN20111379889 20111125	H01M8/04	Method for reducing influences on performance and service life of fuel cell by open-circuit voltage and switching-on/off
WO2012068191 A1 20120524	SUED CHEMIE INC [US]; CULLEN GREG [US]; WAGNER JON [US]; ANFANG GEOR	US20100415171P 20101118	B01D53/86; B01J23/40; B01J23/889; C01B3/58; H01M8/06	METHOD FOR REMOVING CO, H2 AND CH4 FROM AN ANODE WASTE GAS OF A FUEL
JP2012512018 A 20120531		EP20080171997 20081217; WO2009EP66808 20091210	B01D53/02; B01J20/06	METHOD FOR REMOVING CONTAMINANTS FROM GAS FLOWS CONTAINING WATER

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KR20120059802 A 20120611		KR20100121251 20101201	H01M8/04; B60L11/18; G01R31/36	Method for removing oxygen of fuel cell
WO2012024330 A2 20120223	BLOOM ENERGY CORP [US]; BATAWI EMAD EL [US]; MUNOZ PATRICK [US]; NGUYEN DIEN [US]	US20100374424P 20100817	H01M8/12; C04B35/64; H01M8/02	METHOD FOR SOLID OXIDE FUEL CELL FABRICATION
US2012115066 A1 20120510	GM GLOBAL TECH OPERATIONS INC [US]	US201113015152 20110127; US20040978981 20041101	H01M8/10	METHOD FOR STABILIZING POLYELECTROLYTE MEMBRANE FILMS USED IN FUEL C
WO2012000679 A1 20120105	MANZ TUEBINGEN GMBH [DE]; SCHAUPP MARTIN [DE]; AUL PETER [DE]	DE201010025885 20100702	H01M8/24; B65H3/08; H01G4/30; H01G4/33; H01M8/00; H01M10/04; H01M10/052; H01M10/0585; H01M10/14	METHOD FOR STACKING LEAVES, IN PARTICULAR FOR MANUFACTURE OF A LITHIUM-ION BATTERY
DE102010034246 A1 20120216	SEILER THOMAS [DE]	DE201010034246 20100813	C25B1/04; H01M8/12	Method for storage and release of electric power generated by wind power plant, involves performing unloading consumption of gas in compressed gas reservoir by connecting electrodes in electrically conductive state

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EP2415113 A1 20120208	BASF SE [DE]	WO2010EP54123 20100329; EP20090157056 20090401; EP20100712053 20100329	H01M8/10; H01M8/18; H01M10/39	METHOD FOR STORING AND TRANSPORTING ELECTROCHEMICAL ENERGY
US2012115069 A1 20120510	FRAUNHOFER GES FORSCHUNG [DE]	DE200910009357 20090218; WO2010EP51872 20100215	H01M8/02; H01M10/02; H01M10/056	METHOD FOR STORING ELECTRICAL ENERGY IN IONIC LIQUIDS
US2012107707 A1 20120503	BASF SE [DE]	EP20090165224 20090710; WO2010EP59710 20100707	H01M8/06	METHOD FOR THE DIRECT AMINATION OF HYDROCARBONS INTO AMINO HYDROCARB
US2012088176 A1 20120412	DE MIRANDA PAULO EMILIO VALADAO [BR]; VENANCIO SELMA APARECIDA [BR]; DE MIRANDA HUGO VILELA [BR]	BR2009PI01921 20090617; WO2010BR00188 20100611	H01M8/10; B01J21/02; B01J21/04; C25B9/00; C25B15/08; H01M4/90; H01M8/04	METHOD FOR THE DIRECT OXIDATION AND/OR INTERNAL REFORMING OF ETHANOL, SOLID OXIDE FUEL CELL FOR DIRECT OXIDATION AND/OR INTERNAL REFORMING OF ETHANOL, CATALYST AND MULTIFUNCTIONAL ELECTROCATALYTIC ANODE FOR DIRECT OXIDATION AND/OR INTERNAL
KR20120047856 A 20120514	BASF SE [DE]	EP20090008110 20090620; EP20090015457 20091215	C08G73/18; B01D71/62; C08J5/22; H01M8/10	METHOD FOR THE PRODUCTION OF A HIGH-MOLECULAR POLYAZOLE
CN102333815 A 20120125	Scherrer Inst Paul	WO2010EP51176 20100201; EP20090100098 20090205	C08J7/18; C08J5/22; C08L27/18; H01M8/10	Method for preparing an enhanced proton exchange membrane and enhanced proton exchange membrane

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EP2401623 A1 20120104	HELION [FR]; TOULOUSE INST NAT POLYTECH [FR]; CENTRE NAT RECH SCIENT [FR]; PHLIPPOTEAU VINCENT [FR]	WO2010EP52175 20100222; FR20090051165 20090224	G01R31/36; H01M8/04	METHOD OF CHARACTERIZING AN ELECTRICAL SYSTEM BY IMPEDANCE SPECTROSCOPY
US2012088179 A1 20120412	HYUNDAI MOTOR CO LTD [KR]	KR20100098509 20101008	H01M8/24	METHOD OF CLAMPING FUEL CELL STACK
EP2401624 A1 20120104	HELION [FR]; TOULOUSE INST NAT POLYTECH [FR]; CENTRE NAT RECH SCIENT [FR]	WO2010EP52176 20100222; FR20090051168 20090224	G01R31/36; H01M8/04	METHOD OF DETERMINING A STATE OF HEALTH OF AN ELECTROCHEMICAL DEVICE
KR20120045071 A 20120509	KOREA ENERGY RESEARCH INST [KR]	KR20100097507 20101006	H01M8/04; B01J23/40; H01M4/92; H01M8/10	METHOD OF DRIVING DIRECT METHANOL FUEL CELL SYSTEM AT LOW TEMPERATUR
KR20120020498 A 20120308	KOREA ENERGY RESEARCH INST [KR]	KR20100084134 20100830	H01M8/04; B01J23/40; H01M4/92; H01M8/10	METHOD OF DRIVING DIRECT OXIDATION FUEL CELL SYSTEM AT LOW TEMPERATURE

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WO2012017218 A2 20120209	STFC SCIENCE & TECHNOLOGY [GB]; DAVID WILLIAM IAN FRASER [GB]; OWEN-JONES MARTIN [GB]; JENKINS DEREK WILLIAM KENNETH [GB]; BENNINGTON STEPHEN [GB]; LOVELL ARTHUR [GB]; KURBAN ZEYNEP [GB]	GB20100013315 20100806	D01F8/00; A61L27/56; B82Y30/00; D01D5/00; D01D5/24; H01M8/04	METHOD OF ELECTROSPINNING FIBRES
JP2012038434 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100174757 20100803	H01M8/04; H01M8/10	METHOD OF EVALUATING INTER-ELECTRODE WATER MOVEMENT OF FUEL BATTERY
WO2012018640 A1 20120209	ARDICA TECHNOLOGIES [US]; KOHATSU KEI [US]; HELLAND COURTNEY [US]; JONEMANN MATTHIEU [US]; PETERSON ANDREW [US]; BRAITHWAITE DANIEL [US]	US20100400412P 20100726	H01M8/02	METHOD OF FABRICATING A REACTION CHAMBER FOR A FUEL STORAGE ASSEMBLY
US2012156591 A1 20120621	CHA SUKYAL [US]	US201113332105 20111220; US201061424917P 20101220	H01M8/00	METHOD OF FABRICATION OF FUEL CELL

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KR101159139B B1 20120625	SAMCHUN PURE CHEMICAL IND CO LTD [KR]	KR20120032789 20120330	H01M8/12; C04B35/64; H01M8/02	METHOD OF FORMING A NI-YSZ COMPLEX AND METHOD OF MANUFACTURING A FUE
US2012003569 A1 20120105	KAWAMURA TETSUO [US]; PROTSAILO LESIA V [US]	US	H01M4/92; B01J21/18; B01J37/02; H01M8/02	METHOD OF FORMING A TERNARY ALLOY CATALYST FOR FUEL CELL
JP2012066961 A 20120405	IDEMITSU KOSAN CO [JP]; UNIV TOHOKU	JP20100212461 20100922	C01B3/02	METHOD OF GENERATING HYDROGEN FROM HYDROCARBON COMPOUND
US2012003571 A1 20120105	DEVOE ALAN [US]; DEVOE LAMBERT [US]	US201113236247 20110919; US20080117622 20080508; US20070917262P 20070510	H01M8/00	METHOD OF MAKING A FUEL CELL DEVICE
EP2469635 A1 20120627	DELPHI TECH INC [US]	US20100975836 20101222	H01M8/02; H01M8/12	Method of making a solid oxide fuel cell stack
JP2012023044 A 20120202	DAINIPPON PRINTING CO LTD [JP]	JP20110184686 20110826	H01M8/02; B01J23/42; B01J23/46; B01J37/02; B32B7/02; H01M4/86; H01M4/88	METHOD OF MANUFACTURING CATALYST LAYER- ELECTROLYTE MEMBRANE LAMINATE
JP2012124167 A 20120628	KANSAI ELECTRIC POWER CO [JP]	JP20120001993 20120110	H01M8/02; C04B35/50; H01B13/00; H01M8/12	METHOD OF MANUFACTURING COMPOSITE SUBSTRATE AND METHOD OF MANUFACTURING SOLID OXIDE FUEL CELL

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JP2012109173 A 20120607	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100258499 20101119	H01M8/02; B28B3/00; B28B11/06; C04B41/88; H01M4/88; H01M8/12	METHOD OF MANUFACTURING CYLINDRICAL MEA, GAS DECOMPOSITION ELEMENT EQUIPPED WITH CYLINDRICAL MEA, AND POWER GENERATOR
JP2012009157 A 20120112	IKUTOKU GAKUEN	JP20100141417 20100622	H01M4/88; H01M4/90	METHOD OF MANUFACTURING ELECTRODE FOR ALCOHOL FUEL CELL
JP2012069276 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100210891 20100921	H01M4/88; H01M8/02; H01M8/10	METHOD OF MANUFACTURING ELECTRODE FOR FUEL BATTERIES
JP2012003896 A 20120105	TOYOTA MOTOR CO LTD [JP]	JP20100136374 20100615	H01M4/88; B01J23/42; C01B31/02; H01M8/02; H01M8/10	METHOD OF MANUFACTURING FUEL CELL
JP2012009212 A 20120112	TOYOTA MOTOR CO LTD [JP]	JP20100142644 20100623	H01M4/88; C01B31/02	METHOD OF MANUFACTURING FUEL CELL
JP2012099408 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100247762 20101104	H01M8/02; C04B35/50; H01M8/12	METHOD OF MANUFACTURING FUEL CELL
JP2012007208 A 20120112	HONDA MOTOR CO LTD [JP]	JP20100144099 20100624	C25D5/26; C25D5/36; C25D7/00; H01M8/02	METHOD OF MANUFACTURING FUEL CELL SEPARATOR
JP2012028092 A 20120209	NGK SPARK PLUG CO [JP]	JP20100164240 20100721	H01M8/24; H01M8/02	METHOD OF MANUFACTURING FUEL CELL STACK
JP2012038479 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100175846 20100805	H01M4/88; H01M4/86	METHOD OF MANUFACTURING GAS DIFFUSION LAYER FOR FUEL CELL
JP2012048836 A 20120308	TOYOTA MOTOR CO LTD [JP]	JP20100187046 20100824	H01M8/02; H01M4/88	METHOD OF MANUFACTURING MEMBRANE ELECTRODE ASSEMBLY

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JP2012018871 A 20120126	ASAHI GLASS CO LTD [JP]	JP20100156653 20100709	H01M8/02; H01M4/88; H01M8/10	METHOD OF MANUFACTURING MEMBRANE ELECTRODE ASSEMBLY FOR SOLID POLYMER FUEL CELL
JP2012069265 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100210740 20100921	H01M8/02; H01M4/86; H01M4/88; H01M8/10	METHOD OF MANUFACTURING MEMBRANE ELECTRODE ASSEMBLY USED FOR SOLID POLYMER FUEL CELL AND MEMBRANE ELECTRODE ASSEMBLY
JP2012030178 A 20120216	JGC CATALYSTS & CHEMICALS LTD	JP20100172418 20100730	B01J37/02; B01J23/42; B01J23/44; B01J23/46; B01J23/50; B01J23/66; B01J23/89	METHOD OF MANUFACTURING METAL PARTICLE-SUPPORTED CATALYST, METAL PARTICLE-SUPPORTED CATALYST, AND REACTION METHOD
JP2012089322 A 20120510	TOKAI CARBON KK [JP]	JP20100234339 20101019	H01M8/02	METHOD OF MANUFACTURING SEPARATOR FOR FUEL CELL
JP2012009232 A 20120112	NGK SPARK PLUG CO [JP]	JP20100143164 20100623	H01M8/02; H01M4/86; H01M8/12	METHOD OF MANUFACTURING SOLID OXIDE FUEL BATTERY CELL, SOLID OXIDE FUEL BATTERY CELL AND SOLID OXIDE FUEL BATTERY
US2012121995 A1 20120517	DELPHI TECH INC [US]	US201113315448 20111209	H01M8/06; H01M8/04	METHOD OF OPERATING A FUEL CELL SYSTEM ON LOW QUALITY BY-PRODUCT GAS
JP4920799B2 B2 20120418		JP20090194937 20090826; WO2010JP03930 20100614; JP20110528619 20100614	H01M8/02; H01M4/86; H01M8/04; H01M8/10	METHOD OF OPERATING POLYMER ELECTROLYTE FUEL CELL

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US2012052406 A1 20120301	BLOOM ENERGY CORP [US]	US201113286749 20111101; US20090458341 20090708; US20040866238 20040614; US20030446704 20030529; US20030653240 20030903; US20030461190P 20030409	H01M8/04; H01M8/00	METHOD OF OPTIMIZING OPERATING EFFICIENCY OF FUEL CELLS
KR20120064343 A 20120619	HYUNDAI MOTOR CO LTD [KR]	KR20100125529 20101209	H01M8/04; B60L11/18	METHOD OF PREDICTING COOLANT TEMPERATURE IN FUEL CELL STACK
CN102361090 A 20120222	I&C K. K.	KR20100047663 20100520	H01M8/02	Method of preparing carbon substrate for gas diffusion layer of polymer electrolyte fuel cell, carbon substrate prepared by using the method, and system for manufacturing the same
JP2012049075 A 20120308	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20100192287 20100830	H01M4/88; C01G55/00; H01M4/90	METHOD OF PREPARING PYROCHLORE TYPE OXIDE AND METHOD OF MANUFACTURING ELECTRODE CATALYST FOR FUEL CELL
JP4893625B2 B2 20120307		JP20050268376 20050915; JP20050268712 20050915; WO2006JP318275 20060914; JP20070535539 20060914	B23K20/04; B23K15/00; B23K26/20; B23K26/32; B32B15/01; C22C38/00; C22C38/54; C22C38/58; H01M8/02	METHOD OF PRODUCING A SOURCE BLANK FOR A STAINLESS STEEL THREE-PLY CLAD SHEET

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JP2012054140 A 20120315	TOYOTA MOTOR CO LTD [JP]	JP20100196580 20100902	H01M4/88; B01J23/42; B01J37/02; B01J37/16	METHOD OF PRODUCING CATALYST SUPPORTING CARRIER AND METHOD OF PRODUCING ELECTRODE CATALYST
JP2012016684 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100156993 20100709	B01J37/02; B01J23/44	METHOD OF PRODUCING CORE-SHELL CATALYST PARTICLE, AND CORE-SHELL CATALYST PARTICLE PRODUCED BY THE PRODUCTION METHOD
JP2012104308 A 20120531	NAT INST FOR MATERIALS SCIENCE [JP]	JP20100250535 20101109	H01M8/02; H01M4/88; H01M8/12	METHOD OF PRODUCING DENSE MATERIAL OF ELECTROLYTE FOR SOLID OXIDE FU
JP2012099574 A 20120524	NIHON VALQUA KOGYO KK	JP20100244472 20101029	H01G9/02; B32B27/30; C08J7/16	METHOD OF PRODUCING FILM AND FILM PRODUCED BY THAT PRODUCTION METHOD
EP2415793 A1 20120208	PIOTREK CO LTD [JP]	WO2010JP55752 20100330; JP20090083676 20090330	C08F259/08; H01B1/06; H01G9/025; H01G9/032; H01L31/04; H01L51/50; H01M8/02; H01M8/10; H01M10/0565; H01M14/00; H05B33/22	METHOD OF PRODUCING FLUORINATED POLYMER
EP2445956 A1 20120502	CANON KK [JP]	WO2010JP60598 20100616; JP20090149220 20090623	C08J9/28; B01D71/06; H01M8/02; H01M8/10	METHOD OF PRODUCING POROUS POLYMER FILM AND POROUS POLYMER FILM PROD
JP2012099426 A 20120524	KONICA MINOLTA HOLDINGS INC [JP]	JP20100248225 20101105	H01M8/02; H01M4/88; H01M8/12	METHOD OF PRODUCING POWER GENERATION LAYER FOR SOLID OXIDE FUEL CELL

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JP2012054241 A 20120315	BATTELLE MEMORIAL INSTITUTE [US]	US20020354713P 20020206; US20020431051P 20021205	H01M8/04; H01M8/10; H01M4/88; H01M8/00; H01M8/06; H01M8/12; H01M10/44	METHOD OF REMOVING CONTAMINANT FROM FUEL CELL ELECTRODE
JP2012509552 A 20120419		EP20080164501 20080917; WO2009EP55079 20090427	H01M8/04	METHOD OF SHUT-DOWN AND STARTING OF A FUEL CELL
US2012077102 A1 20120329	HONDA MOTOR CO LTD [JP]	JP20100214498 20100924; JP20100214499 20100924; JP20100214501 20100924; JP20100214502 20100924	H01M8/04	METHOD OF SHUTTING DOWN FUEL CELL SYSTEM
JP2012004101 A 20120105	HONDA MOTOR CO LTD [JP]	JP20100114712 20100518; JP20110006688 20110117	H01M8/04; H01M8/10	METHOD OF STARTING POLYMER ELECTROLYTE FUEL CELL

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KR20120007023 A 20120119	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20090093781 20090408; JP20090136290 20090605; JP20090138191 20090609; JP20090140144 20090611; JP20090143402 20090616	H01M8/12; C01B3/38; H01M8/04; H01M8/06	METHOD OF STOPPING INDIRECT INTERNAL REFORMING SOLID OXIDE FUEL CELL
KR20120019788 A 20120307	HYUNDAI HYSCO [KR]	KR20100083230 20100827	H01M8/06; C01B3/36; G05D7/00	METHOD OF SUPPLYING WATER INTO REFORMER FOR FUEL CELL AND APPARATUS FOR THE SAME
US2012003382 A1 20120105	RESNICK GENNADY [US]; ALLEN GLENN M [US]; VANCE JR ZEBULON D [US]; CIPOLLINI NED E [US]	US201113176309 20110705; US20070769294 20070627; US20050320517 20051228; US20060567480 20061206	H01M8/00; B05D3/00; B05D3/02; B05D3/10; B05D5/00	METHOD OF TREATING A MATERIAL TO ACHIEVE SUFFICIENT HYROPHILICITY FOR MAKING HYROPHILIC ARTICLES
WO2012076746 A1 20120614	WAERTSILAE FINLAND OY [FI]; JANSSON PEIK [FI]; BUDDAS SEBASTIAN [FI]	FI20100000415 20101208	H01M8/24	METHOD TO GUIDE GAS STREAMS IN A FUEL CELL SYSTEM AND ARRANGEMENT TO
US2012100454 A1 20120426	GM GLOBAL TECH OPERATIONS INC [US]	US20100909071 20101021	H01M8/24; H01M8/10	METHOD TO PROVIDE ELECTRICAL INSULATION BETWEEN CONDUCTIVE PLATES OF A HYDROGEN FUEL CELL

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EP2463949 A1 20120613	SUNHY ENERGY SARL [FR]	FR20100004795 20101209	H01M8/06; B60L1/00; F02B47/04; F02D19/08; H01M10/00	Method to reduce the hydrocarbon fuel consumption of a vehicle using
US2012082914 A1 20120405	GM GLOBAL TECH OPERATIONS INC [US]	US20100895298 20100930	H01M8/04	METHOD TO THAW FROZEN COOLANT IN A FUEL CELL SYSTEM
AT544728T T 20120215	EXXONMOBIL RES & ENG CO [US]	US20030472864P 20030523; US20040848095 20040518; WO2004US16232 20040521	C01B3/38; B01J19/24; C01B3/46; H01M8/04	METHODE ZUR HERSTELLUNG VON ELEKTRIZITÄT MITTELS TEMPERATURWECHSELREFORMIERUNG UND FESTOXID- BRENNSTOFFZELLE
AT550802T T 20120415	UNIV DENMARK TECH DTU [DK]	EP20060024339 20061123	H01M8/12; H01M4/86; H01M4/88; H01M8/18	METHODE ZUR HERSTELLUNG VON REVERSIBLEN FESTOXID- ZELLEN
US8114544 B1 20120214	HRL LAB LLC [US]	US20090386087 20090413	H01M8/16; H01M4/13	Methods and apparatus for increasing biofilm formation and power output in microbial fuel cells
US2012070696 A1 20120322	ADVANCED ENVIRONMENTAL TECHNOLOGIES LLC [US]	US201113236412 20110919; US20100385156P 20100921	C02F1/461; C02F3/00; H01M8/16	Methods and Systems for Enhanced Oxidative and Reductive Remediation
JP2012507463 A 20120329		US20080110354P 20081031; WO2009US61171 20091019	C01B3/04; C01B3/06	METHODS AND SYSTEMS FOR PRODUCING HYDROGEN AND SYSTEM FOR PRODUCING POWER
JP2012501525 A 20120119		US20080092358P 20080827; WO2009US54738 20090824	H01M8/06; F01K25/00; F02C3/22; F02C6/00;	METHODS AND SYSTEMS OF PRODUCING HYDROGEN AND OXYGEN FOR POWER GENERATION, AND POWER SOURCE

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			H01M8/04; H01M8/12	
US2012156577 A1 20120621	MASSACHUSETTS INST TECHNOLOGY [US]	US201113213690 20110819; US20100375729P 20100820; US201161433029P 20	H01M8/18; C25B1/02; C25B11/04; C25D3/00; C25D3/12	METHODS FOR FORMING ELECTRODES FOR WATER ELECTROLYSIS AND OTHER ELEC
US2012009501 A1 20120112	UNIV LELAND STANFORD JUNIOR [US]; SAMSUNG ELECTRONICS CO LTD [KR]	KR20100066562 20100709	H01M8/10	METHODS OF MANUFACTURING PROTON CONDUCTIVE SOLID OXIDE FUEL CELL AND PROTON CONDUCTIVE SOLID OXIDE FUEL CELLS MANUFACTURED BY USING THE METHODS
EP2438642 A1 20120411	BDF IP HOLDINGS LTD [CA]	WO2010US37317 20100603; US20090183790P 20090603	H01M8/04	METHODS OF OPERATING FUEL CELL STACKS AND SYSTEMS
ES2371677T T3 20120109	ELCOGEN AS [EE]	EE	H01M8/12	METODO PARA LA PREPARACION DE UNA PILA UNICA PARA PILAS DE COMBUSTIBLE DE OXIDO SOLIDO.
ES2376753T T3 20120316	SIEMENS AG [DE]	DE200610012403 20060317	H01M8/04	Método para localizar un abastecimiento deficiente de gas operacional de una celda de combustible en una instalación de celda de combustible
ES2376780T T3 20120316	SIEMENS AG [DE]	EP20050002510 20050207; WO2006EP50577 20060201	H01M8/10; H01M8/02	Método y dispositivo para la unión duradera de una membrana de electrolito polimérico con, al menos, un electrodo de difusión gaseosa

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US2012122015 A1 20120517	CONSIGLIO NAZIONALE RICERCHE [IT]	IT2009MI01270 20090717; WO2010EP04308 20100715	H01M8/10	MICRO FUEL CELL SYSTEM AND CORRESPONDING MANUFACTURING METHOD
WO2012037123 A1 20120322	UNIV MINNESOTA [US]; BOND DANIEL R [US]; GRALNICK JEFFREY A [US]; ROSS DANIEL E [US]; FLYNN JEFFREY M [US]	US20100382139P 20100913	C12N1/00; C12M1/00; C12N1/20; C12N11/14; C12N15/52; C12P7/02; H01M8/16	MICROBES, METHODS, AND DEVICES FOR REDOX- IMBALANCED METABOLISM
KR20120060327 A 20120612		KR20100121777 20101202	H01M8/16; C12N1/00; H01M4/92; H01M8/02	MICROBIAL ELECTROLYSIS CELLS USING REINFORCEMENT PROTON EXCHANGE MEM
US2012082869 A1 20120405	UNIV ARIZONA [US]	US201013259523 20100401; US20090167394P 20090407; WO2010US29563 20100401	H01M8/16; C25B1/02	Microbial Electrolytic Cell
CN102412409 A 20120411	GUANGZHOU INST ENERGY CONV CAS	CN20111303240 20110930	H01M8/16; H01M8/04	Microbial fuel battery device based on the soil organic matter
US2012115045 A1 20120510	KAPOPARA PIYUSH KUMAR R [IN]; SINGH MRITYUNJAY KUMAR [IN]; GUPTA VIN	IN2010CH03295 20101104	H01M8/16	MICROBIAL FUEL CELL
KR101122044B B1 20120312	UNIV DANKOOK IACF [KR]	KR20100089568 20100913	H01M8/16; C12M1/00; H01M8/02	MICROBIAL FUEL CELL

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CN102386421 A 20120321	Zhejiang University	CN20111340023 20111101	H01M4/86; H01M4/88; H01M4/96; H01M8/16	Microbial fuel cell air cathode easy to perform scale preparation and preparation method thereof
CN102315472 A 20120111	Guangdong Institute of Microbiology	CN20101220381 20100707	H01M8/16; C02F3/28; H01M8/06	Microbial fuel cell and application thereof in degradation of polybrominated diphenyl ethers
CN102315469 A 20120111	Guangdong Institute of Microbiology	CN20101220362 20100707	H01M8/06; C02F3/28; H01M4/86	Microbial fuel cell and application thereof to degradation of azo dye pollutant
US2012003504 A1 20120105	YAMAZAWA AKIRA [JP]; UENO YOSHIYUKI [JP]; TATARA MASAHIRO [JP]; KITAJIMA YOJI [JP]; WATANABE KAZUYA [JP]; SHIMOYAMA TAKEFUMI [JP]; ISHII TOSHIKAZU [JP]; KOMUKAI SHOKO [JP]	JP	H01M8/16; H01M8/04; H01M8/10	MICROBIAL FUEL CELL AND MEMBRANE CASSETTE FOR MICROBIAL FUEL CELLS
US2012082867 A1 20120405	CROOKES DONALD W [US]; DIMEGLIO CIRO [US]	US201113198709 20110804; US20090478721 20090604; US20080058667P 20080604	H01M8/16	Microbial Fuel Cell and Method of Use
CN102324541 A 20120118	Beijing Normal University	CN20111199472 20110718	H01M8/16; C02F3/34	Microbial fuel cell anode biomembrane functional regulation method
CN102437361 A 20120502	Nanjing University of Technology	CN20111374823 20111123	H01M8/16; C02F11/04;	Microbial fuel cell reactor for culturing chlorella

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			H01M8/02	
CN102324543 A 20120118	Tsinghua University	CN20111214160 20110728	H01M8/16; C02F3/34; H01M4/86	Microbial fuel cell with naturally oxygenated biological cathode
KR20120021517 A 20120309	KOLON GLOBAL CORP [KR]; KOLON INC [KR]	KR20100075558 20100805	H01M8/16; C08J7/04; H01M4/86; H01M8/02	MICROBIAL FUEL CELLS USING REINFORCEMENT PROTON EXCHANGE MEMBRANE COMPRISING HYDROCARBONACEOUS MATERIAL, MEMBRANE-ELECTRODE ASSEMBLY FOR THE SAME AND ELECTRODE FOR THE SAME
CN102324546 A 20120118	Peking University Shenzhen Graduate School	CN20111271557 20110914	H01M8/16	Microbial metallurgic cell (MMC)
CN102329006 A 20120125	Xi'an Jiaotong University	CN20111213719 20110728	C02F3/34; C25B1/10; H01M4/86; H01M8/16	Microbial photoelectrochemical system for simultaneously generating electricity and hydrogen and treating sewage
CN102347504 A 20120208	Beijing Normal University	CN20111204564 20110721	H01M8/16	Microbiological fuel cell and recycling method for cassava waste mash
CN102324544 A 20120118	Zhejiang Gongshang University	CN20111260207 20110905	H01M8/16; C02F3/34; H01M4/90	Microbiological fuel cell for removing nitrogen and phosphorus
CN102468495 A 20120523	Institute of Urban Environment, Chinese Academy of Sciences	CN20101552208 20101117	H01M8/00; C02F3/28; C02F3/34; H01M8/16	Microbiological fuel cell for treating sulfur-containing wastewater
CN102340015 A 20120201	Xi'an Jiaotong University	CN20111213977 20110728	H01M8/16; C02F3/34	Microorganism electrochemical system capable of realizing electricity generation, hydrogen generation and sewage treatment simultaneously

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WO2012039464 A1 20120329	IBIDEN CO LTD [JP]; HIBI YOSHIHISA; OTA YUSUKE	JP20100213564 20100924	H01M8/16; C02F1/48; C02F3/28; C02F3/30; H01M4/90; H01M8/06	MICROORGANISM FUEL CELL SYSTEM, METHOD FOR GENERATING ELECTRICITY, AND METHOD FOR PROCESSING ORGANIC SUBSTANCES
US2012077113 A1 20120329	SK INNOVATION CO LTD [KR]	KR20090053696 20090617; WO2010KR03913 20100617	H01M2/16; B05D5/00; B32B3/26; B32B7/02; H01M8/02	MICROPOROUS POLYETHYLENE FILM WITH THERMALLY STABLE HYBRID-COMPOSITE LAYERS
JP4884008B2 B2 20120222		JP20030080481 20030324; JP20030362146 20031022; WO2004JP03901 20040323; JP20050504048 20040323	C08J9/26; B01D67/00; B01D69/02; B01D71/26; C08J5/18; C08J5/22; C08J9/00; C08L23/06; C08L23/08; H01M2/16	MICROPOROUS POLYETHYLENE FILM
AT544191T T 20120215	POWER KNOWLEDGE LTD [GB]	GB20070020203 20071016; WO2008GB50946 20081016	H01M8/16; H01M8/04	MIKROBIELLE BRENNSTOFFZELLENKATHODENBAUGRUPPE
CN102332594 A 20120125	JS POWER INC [CN]	CN20111242321 20110823	H01M8/10; H01M8/04	Miniature generating system with activated hydrogen- energy fuel cell function
CN102324794 A 20120118	JS POWER INC [CN]	CN20111240844 20110822	H02J15/00; H01M8/06	Miniature generator using hydrogen production agent and portable high-molecular fuel cell
DE102010053371 A1 20120606	EADS DEUTSCHLAND GMBH [DE]	DE201010053371 20101203	H01M8/00; C25B1/04; F02M21/00; H01M8/06	Mit Strahlungsenergie gespeiste elektrische Energieversorgungseinric

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US2012115058 A1 20120510	DARLING ROBERT MASON [US]; BADRINARAYANAN PARAVASTU [US]; REISER CARL A [US]	US	H01M8/04	MITIGATING ELECTRODE EROSION IN HIGH TEMPERATURE PEM FUEL CELL
WO2012063086 A1 20120518	UNIV LIVERPOOL [GB]; ROSSEINSKY MATTHEW [GB]; CLARIDGE JOHN [GB]	GB20100019156 20101112	C04B35/26; C04B35/01; C04B35/42; C04B35/45; H01L39/12; H01M8/12	MIXED METAL OXIDE
WO2012026916 A1 20120301	UTC POWER CORP [US]; MADDEN THOMAS H [US]; DARLING ROBERT MASON [US]; PERRY MICHAEL L [US]	US	H01M4/88; B01J23/42; H01M4/92; H01M8/02; H01M8/10	MIXED-IONOMER ELECTRODE
EP2456715 A1 20120530	POWERCELL SWEDEN AB [SE]	SE	C01B3/38; B01J8/02; F01N3/20; H01M8/06	MIXING DEVICE FOR A FUEL REFORMER, FUEL REFORMER AND METHOD FOR CONV
CA2760717 A1 20120606	RESEARCH IN MOTION LTD [CA]	EP20100193835 20101206	H02J7/34; G06F1/16; G06F1/26; H05K7/20	MOBILE ELECTRONIC DEVICE HAVING A FUEL CELL SURROUNDED BY A SOLID-ST
CA2760374 A1 20120603	RESEARCH IN MOTION LTD [CA]	EP20100193742 20101203	H01M8/04	MOBILE ELECTRONIC DEVICE HAVING A FUEL CELL WITH A FUEL TANK SURROUN

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EP2415112 A1 20120208	SONY ERICSSON MOBILE COMM AB [SE]	WO2009EP07089 20091002; US20090417984 20090403	H01M8/04; H01M8/00; H01M12/00; H01M16/00	MOBILE ELECTRONIC DEVICE WITH AIR INLET
US2012088095 A1 20120412	HAERING THOMAS [DE]; HAERING RIMA [DE]	US201113329112 20111216; DE20011022814 20010511; US20040477174 20040109; WO2002EP05256 20020513	B32B5/16; C08J7/14; B01D67/00; B01D69/14; B01D71/26; B01D71/62; B29C55/00; C08J5/22; H01M8/02; H01M8/10	MODIFICATION OF DRAWN FILM
JP2012012579 A 20120119	SUMITOMO CHEMICAL CO [JP]	JP20100129140 20100604; JP20110118069 20110526	C08G73/02; C08K3/08; C08L79/02; H01M4/90	MODIFIED AROMATIC AMINE, REDOX CATALYST, ELECTRODE CATALYST FOR FUEL CELL, AND FUEL CELL
KR20120056900 A 20120604	CABOT CORP [US]	US20040553413P 20040315; US20040553611P 20040315; US20040553612P 200	B32B15/04; C01B3/00; C01B31/02; C01B31/08; C09C1/56; G01N33/543; G01N33/58; H01B1/12; H01M4/38; H01M4/58; H01M8/04; B01J21/18; H01M4/92	MODIFIED CARBON PRODUCTS AND THEIR APPLICATIONS

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WO2012029840 A1 20120308	SUMITOMO CHEMICAL CO [JP]; MATSUNAGA TADAFUMI [JP]	JP20100196730 20100902	C01B31/02; B01J31/28; B01J37/08; B01J37/34; H01M4/90; H01M4/96; H01M8/10	MODIFIED MATERIAL, AND NITROGEN-CONTAINING ELECTRICALLY CONDUCTIVE CARBON
JP2012110811 A 20120614	SUMITOMO CHEMICAL CO [JP]	JP20100260595 20101122	B01J31/22; B01J27/24; B01J31/02; B01J37/08; H01M4/90	MODIFIED MATERIAL, ELECTRODE CATALYST FOR FUEL CELL, MEMBRANE-ELECTRODE ASSEMBLY, AND FUEL CELL
JP2012115759 A 20120621	SUMITOMO CHEMICAL CO [JP]	JP20100267373 20101130	B01J23/75; H01M4/90; H01M8/10	MODIFIED SUBSTANCE
EP2422397 A2 20120229	RITTER ELEKTRONIK GMBH [DE]; PROPULS GMBH [DE]; GRAEBENER MASCHINENTECHNIK GMBH & CO KG [DE]; FACHHOCHSCHULE GELSENKIRCHEN ENERGIEINSTITUT [DE]	WO2010EP55012 20100416; DE200910017779 20090420	H01M8/24; H01M8/04	MODULAR FUEL CELL SYSTEM
US2012015265 A1 20120119	SMITH WILLIAM F [US]	US201113184897 20110718; US20060390593 20060328; US20050667392P 20050331	H01M8/18; H01M8/06; H01M8/24; H01M16/00	MODULAR REGENERATIVE FUEL CELL SYSTEM

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JP2012074319 A 20120412	JAPAN VILENE CO LTD	JP20100220122 20100930	H01M4/86; H01M8/02; H01M8/04; H01M8/10	MOISTURE CONTROL SHEET, GAS DIFFUSION SHEET, MEMBRANE-ELECTRODE ASSEMBLY AND SOLID POLYMER FUEL CELL
KR20120016804 A 20120227	DONGA MFG CORP [KR]	KR20100079271 20100817	H01M8/02; B29C45/14; H01M8/10	MOLD FOR MANUFACTURING FUEL CELL GASKET AND FUEL CELL GASKET INCLUDING METAL PIN MANUFACTURED USING THE MOLD
JP2012012289 A 20120119	NGK INSULATORS LTD [JP]	JP20100123754 20100531; JP20110117802 20110526	C04B37/02; H01M8/02; H01M8/12	MOLDED BODY
CN102361092 A 20120222	Harbin Engineering University	CN20111304175 20111010	H01M8/14	Molten carbonate electrolyte containing variant valence metallic oxide and application thereof in carbon fuel cell
EP2406200 A1 20120118	SAINT GOBAIN CT RECHERCHES [FR]; CONSEJO SUPERIOR INVESTIGACION [ES]	WO20101B51086 20100312; FR20090001159 20090312	C04B35/01; B22F3/11; C22C1/08; C22C32/00; H01M8/12	MOLTEN CERMET MATERIAL
WO2012073187 A1 20120607	SAINT GOBAIN CT RECHERCHES [FR]; LEVY CAROLINE [FR]; MARLIN SAMUEL [FR20100059836 20101129	C04B35/484; C04B35/486; C04B35/626; C04B35/645; H01M4/38; H01M8/10	MOLTEN POWDER OF YTTRIA-STABILISED ZIRCONIA
US2012135327 A1 20120531	KANGNAM UNIVERSITY INDUSTRY ACADEMIA COOPERATION FOUNDATION [KR]	KR20100117862 20101125	H01M8/04	MONITORING THE OPERATIONAL STATE OF A FUEL CELL STACK

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EP2467888 A1 20120627	AUDI NSU AUTO UNION AG [DE]	DE200910038422 20090821; WO2010EP04785 20100804	H01M2/10; B60K6/00; H01M2/26; H01M8/02; H01M10/02	MOTOR VEHICLE HAVING AN ELECTROCHEMICAL CELL
JP2012016960 A 20120126	TOYOTA MOTOR CO LTD [JP]	JP20100153619 20100706	B60K8/00; B60K1/00; B60L11/18; H01M8/00; H01M8/04	MOUNTING STRUCTURE OF FUEL CELL
WO2012004828 A1 20120112	TOYOTA MOTOR CO LTD [JP]; MASAKI DAISUKE [JP]; KATANO KOJI [JP]	JP	B60K1/04; B60K8/00; B60L11/18; H01M8/00	MOUNTING STRUCTURE OF FUEL CELL STACK, AND MOUNTING METHOD OF FUEL CELL STACK
KR20120045897 A 20120509	HYUNDAI MOTOR CO LTD [KR]	KR20100107772 20101101	H01M8/04; B60L11/18; C02F1/42; F25D17/00	MOUNTING UNIT FOR ION-EXCHANGE FILTER OF FUEL CELL SYSTEM
JP2012075315 A 20120412	TOYOTA MOTOR CO LTD [JP]	JP20030301311 20030826; JP20030366503 20031027; JP20110258158 20111125	B60L11/18; B60L3/00; H01M8/00; H01M8/04; H01M8/06	MOVING BODY
JP2012091783 A 20120517	TOYOTA MOTOR CO LTD [JP]	JP20030301311 20030826; JP20030366502 20031027; JP20110256712 201111	B60K1/04; B60K8/00; B60L11/18; H01M8/00; H01M8/06	MOVING BODY
KR20120061644 A 20120613		KR20100123018 20101203	H01M8/04; B60L11/18; F01N1/08	MUFFLER FOR FUEL CELL SYSTEM

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KR20120058644 A 20120608		KR20100082714 20100826	H01M8/00; H01M8/06	Multi Channel Fuel Cell Generator
JP4962495B2 B2 20120627		JP20060163229 20060613; WO2007JP60586 20070524; JP20080521132 200705	H01M8/04; H01M8/24	MULTI-CHANNEL MEASURING APPARATUS FOR CONNECTION TO A FUEL CELL STACK
JP2012512956 A 20120607		US20080193582P 20081208; WO2009US67166 20091208	C23C24/00; H01M4/36; H01M4/505; H01M4/525; H01M4/58; H01M4/86	MULTICOMPONENT NANOPARTICLE MATERIALS AND PROCESS AND APPARATUS THEREFOR
KR20120038756 A 20120424	HYUNDAI MOBIS CO LTD [KR]	KR20100100381 20101014	H01M8/04; B60L11/18; F04F5/16	MULTI-EJECTOR
CN102437360 A 20120502	Shenyang Jianzhu University	CN20111324215 20111024	H01M8/16; C02F3/34; H01M8/02	Multi-electrode continuous current membrane-free air-anode microbial fuel cell device
AT545165T T 20120215	HELION [FR]	FR20080056254 20080917; WO2009EP61945 20090915	H01M8/24; H01M8/02; H01M8/04	MULTIFUNKTIONSSPANNKLEMMEN FÜR EINE BRENNSTOFFZELLE
CN102340012 A 20120201	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	CN20101232225 20100715	H01M8/04	Multi-group converter series system for fuel cells and control method thereof

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DE102011106767 B3 20120112	DAIMLER AG [DE]	DE201110106767 20110601	H01M8/10	Multilayer electrolyte membrane arrangement for fuel cell, has strengthening layer including perforated subregion, which is coated with ion-conductive material so that semipermeable membrane layer is formed
KR20120002508 A 20120105	ELCHEM TECH CO LTD [KR]; MOON SANG BONG [KR]	KR20110123158 20111123	C25B11/06; C25B1/02; C25B11/00; H01M8/02	MULTI-LAYERED HOLOW ELECTRODE AND ITS PREPARATION METHOD
US2012100440 A1 20120426	UT BATTELLE LLC	US20100908575 20101020	H01M4/485; H01M2/14; H01M4/525; H01M4/583; H01M8/22; H01M10/26	MULTI-LAYERED, CHEMICALLY BONDED LITHIUM-ION AND LITHIUM/AIR BATTERIES
KR20120058334 A 20120607		KR20100120063 20101129	H01M8/04; B01D19/00; F16K31/02	MULTIPLE GAS-LIQUID SEPARATOR FOR FUEL CELL SYSTEM
US2012141910 A1 20120607	CLEAREDGE POWER INC [US]	US201213371050 20120210	H01M8/10; H01M8/00	Multiple Membrane Layers in a Fuel Cell Membrane-Electrode Assembly
WO2012032368 A1 20120315	KAMPANATSANYAKORN KRISADA [TH]; HOLASUT SURADIT [TH]	IB	H01M8/18; H01M8/20	MULTI-TIER REDOX FLOW CELL STACK OF MONOPOLAR CELLS WITH JUXTAPOSED SIDEWAY EXTENDED BIPOLAR INTERCELL INTERCONNECTS ON EVERY TIER OF THE STACK
KR20120042422 A 20120503	UNIV KYUNG HEE UNIV IND COOP [KR]	KR20100104116 20101025	H01M8/02; C08J7/04; H01M8/10	NAFION/SULFATED POSS POLYELECTROLYTE NANOCOMPOSITE MEMBRANES FOR DIR

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US2012122014 A1 20120517	SAVANNAH RIVER NUCLEAR SOLUTIONS LLC [US]	US201113297826 20111116; US20100414127P 20101116	H01M8/10; H01M4/86; H01M8/00	NANOCRYSTALLINE CERIUM OXIDE MATERIALS FOR SOLID FUEL CELL SYSTEMS
DE102011118242 A1 20120516	GM GLOBAL TECH OPERATIONS INC [US]	US20100413688P 20101115; US201113285296 20111031	C08J5/22; C08J5/06; H01M2/16; H01M8/02	Nanofasern zur elektrischen Energieerzeugung
WO2012058425 A2 20120503	UNIV VANDERBILT [US]; PINTAURO PETER N [US]; ZHANG WENJING [US20100407332P 20101027	H01M8/10	NANOFIBER ELECTRODE AND METHOD OF FORMING SAME
AT557440T T 20120515	HONEYWELL INT INC [US]	US20000569897 20000512; WO2001US15184 20010510	H01M8/02	NANOKOMPOSIT FÜR BIPOLARE PLATTEN EINER BRENNSTOFFZELLE
US2012088182 A1 20120412	QUANTUMSPHERE INC [US]	US201113326145 20111214; US201113021593 20110204; US20040983993 20041108	H01M8/10; C25B9/08	NANO-MATERIAL CATALYST DEVICE
CN102522573 A 20120627	Tianjin University	CN20111430341 20111219	H01M8/02	Nanoporous TiO ₂ film on Ti-Cu alloy surface and its preparation method

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US2012021331 A1 20120126	NANOSYS INC [US]	US20090391057 20090223; US20070808760 20070612; US20060601842 20061120; US20050295133 20051206; US20040634472P 20041209; US20050738100P 20051121; US20060801377P 20060519	H01M4/86; H01M4/90; H01M4/92; H01M8/10	NANOSTRUCTURED CATALYST SUPPORTS
EP2432058 A1 20120321	NANOSYS INC [US]	EP20050853082 20051206; US20040634472P 20041209; US20050738100P 20051121	H01M4/86; B82Y30/00; H01M4/88; H01M4/90; H01M4/92; H01M8/02; H01M8/10	Nanowire-based membrane electrode assemblies for fuel cells
DE102011117400 A1 20120510	GM GLOBAL TECH OPERATIONS INC [US]	US20100939421 20101104	H01M8/02	Nasslaminierverfahren zur Reduktion von Schwundrissbildung in Brenns
US2012135316 A1 20120531	DAUNIA SOLAR CELL S R L [IT]	EP20090425227 20090610; WO2010EP03483 20100610	H01M10/0564; C07D233/64; G01N27/28; G01N27/30; H01M8/02	NEW IMIDAZOLIUM SALTS HAVING LIQUID CRYSTAL CHARACTERISTICS, USEFUL

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JP2012122035 A 20120628	TOYO BOSEKI [JP]	JP20100275665 20101210	C08G65/40; C07F9/12; C07F9/38; C07F9/40; C08G75/04; H01B1/06	NEW PHOSPHONIC ACID GROUP-CONTAINING BISPHENOL OR BISTHIOPHENOL COMPOUND, METHOD FOR PRODUCING THE SAME, AND APPLICATION THEREOF
EP2448049 A1 20120502	SUMITOMO METAL MINING CO [JP]	EP20060782611 20060810; JP20050237032 20050818; JP20050266238 200509	H01M4/88; C04B35/00; H01M4/86; H01M4/90; H01M8/12	Nickel oxide powder material for solid oxide fuel cell, production p
JP2012092413 A 20120517	NAKATSUYAMA NETSUSHORI KK; YAMAZAKI KATSUHIRO; NIIGATA PREFECTURE	JP20100242596 20101028	C22C38/00; C21D1/76; C22C38/28; C23C8/26; H01M8/02	NICKEL-FREE AUSTENITE STAINLESS STEEL AND METHOD OF MANUFACTURING TH
CN202231103U U 20120523	Huang Xiaohong	CN20112278294U 20110802	H01M8/02	Nickel-zinc non-diaphragm fuel battery device
JP2012017314 A 20120126	SUMITOMO CHEMICAL CO [JP]; MAX PLANCK GESELLSCHAFT	JP20090251005 20091030; JP20100133114 20100610; JP20100244194 20101029	C07D487/14; C07D471/22; C07D487/22; H01M4/90; H01M8/02; H01M8/10	NITROGEN-CONTAINING AROMATIC COMPOUND AND METAL COMPLEX
CN102372398 A 20120314	Institute of Urban Environment, Chinese Academy of Sciences	CN20111254952 20110831	C02F9/14; H01M8/16	Nitrogen-containing sewage treatment process and device for synchronously producing electricity and recovering nitrogen element

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US2012077671 A1 20120329	UMICORE AG & CO KG [DE]	US201113309677 20111202; DE20001037071 20000729; US20060405913 20060417; US20010910959 20010724	B01J21/18; B82B1/00; B01J13/00; B01J23/42; B01J23/46; B01J23/652; B01J35/00; B01J35/02; B01J37/02; B22F1/00; B22F5/00; C09C1/62; C09C3/10; H01M4/88; H01M4/90; H01M4/92; H01M8/10	NOBLE METAL NANOPARTICLES, A PROCESS FOR PREPARING THESE AND THEIR USE
CN202231105U U 20120523	Institute of Urban Environment, Chinese Academy of Sciences	CN20112258879U 20110721	H01M8/06; H01M4/86	Non-aeration biological-cathode microbial fuel cell reactor and anode thereof
US2012107728 A1 20120503	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100107015 20101029	H01M8/02; H01M4/92; H01M4/96	NON-AQUEOUS ELECTROLYTE AND LITHIUM AIR BATTERY INCLUDING THE SAME
JP2012015085 A 20120119	HYUNDAI MOTOR CO LTD [KR]	KR20100061685 20100629	H01M8/04; G01N3/20; H01M4/96	NON-DESTRUCTIVE INDIRECT MEASURING APPARATUS AND METHOD FOR FLEXURAL RIGIDITY OF GAS DIFFUSION LAYER FOR FUEL CELL
US2012135337 A1 20120531	BLOOM ENERGY CORP [US]	US201113306511 20111129; US20100418043P 20101130	H01M8/24; G01N21/88; G01N25/72; G01N27/82; G01N29/44	Non-Destructive Testing Methods for Fuel Cell Interconnect Manufactu

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GB2482439 A 20120201	GOMEZ RODOLFO ANTONIO M [AU]	WO2011AU00494 20110429; AU20100901836 20100430	H01M10/44; H01M8/18; H01M8/20	Non-diffusion liquid energy storage device
WO2012071495 A2 20120531	UNIV DELAWARE [US]; HERTZ JOSHUA [US]; SHEN WEIDA [US]	US20100416624P 20101123	H01M8/02; H01M4/86; H01M8/10	NON-FLOODING POLYMER ELECTROLYTE FUEL CELL
CN102437348 A 20120502	Xi'an Jiaotong University	CN20111406616 20111208	H01M8/02; H01M2/16	Non-noble metal-catalyzed polymer fibrous membrane hydroborate fuel cell
US2012070764 A1 20120322	LOS ALAMOS NAT SECURITY LLC [US]	US201113239109 20110921; US20100384883P 20100921; US20100408129P 20101029	H01M8/10; C07F15/02; H01M8/00	NON-PRECIOUS METAL CATALYSTS
CN102333913 A 20120125	ASAHI GLASS CO LTD [JP]	WO2010JP52999 20100225; JP20090044704 20090226	D04H1/42; B01D39/16; D04H1/54; D04H1/56; D04H3/16; H01M8/02; H01M8/10	Nonwoven fabric and electrolysis membrane
CN102373578 A 20120314	YOUNG GREEN ENERGY CO [TW]	CN20101258191 20100818	D04H1/541; D01D5/34; D01D10/00; H01M8/06	Non-woven fabric and manufacturing method thereof, generating device and generating method for gas fuel
CN102478886 A 20120530	Jifu New Energy Technology (Shanghai) Co., Ltd.	CN20101564173 20101124	G06F1/16; G06F1/26; H01M8/00; H01M10/0525; H01M10/30;	Notebook computer with transparent thin-film solar panel

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			H02J7/00	
JP2012511612 A 20120524		FR20080006890 20081209; WO2009FR01401 20091208	C08G85/00; C08J5/22; C08L29/10; C08L33/04; C08L63/00; H01B1/06; H01M8/02; H01M8/10	NOUVEAUX RESEAUX INTERPENETRES DE POLYMERES ET LEURS APPLICATIONS
CN202200830U U 20120425	FAW GROUP CORP; FAW CAR LTD COMPANY	CN20112281359U 20110804	B60K11/02; H01M8/04	Novel cooling module of Pentium fuel cell electro-vehicle (FCE)
CN102338824 A 20120201	Fan Bem	CN20101229399 20100719	G01R19/25; G01R31/36; G08C19/00; H01M8/04	Novel extensible system for detecting voltage of single fuel cell
JP2012506492 A 20120315		EP20080290988 20081021; WO2009IB07333 20091020	C25B11/06; B01J31/24; C07F15/04; C07F19/00; H01M4/90	Novel materials and their use for the electrocatalytic evolution or uptake of H ₂
KR20120037822 A 20120420	KOREA INST SCI & TECH [KR]	KR20100099510 20101012	B01J23/89; C01B3/40; H01M4/92; H01M8/06	NOVEL METAL MODIFIED HYDROTALCITE CATALYST FOR REFORMING OF ALCOHOLS AND METHOD FOR PRODUCING HYDROGEN USING THE SAME

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US2012014872 A1 20120119	DIADEXUS INC [US]	US201113211767 20110817; US20100787675 20100526; US20010763978 20010425; WO1999US19655 19990901; US19980098880P 19980902	A61K51/10; G01N33/53; A61K39/395; A61K49/00; A61K49/16; A61K51/00; A61P35/00; A61P35/04; A61P43/00; C07H21/02; C07H21/04; C07K16/00; C07K16/30; C07K16/32; C12N15/09; C12Q1/68; G01N33/574; H01M4/86; H01M8/02; H01M8/10; H01M8/24	Novel Method of Diagnosing, Monitoring, Staging, Imaging and Treating Various Cancers

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EP2407427 A1 20120118	MITSUI CHEMICALS INC [JP]	WO2010JP01796 20100312; JP20090059002 20090312; JP20090154838 20090630; JP20090154848 20090630; JP20090154854 20090630; JP20090154863 20090630; JP20090154883 20090630; JP20090154905 20090630	C01B37/00; H01B3/00; H01L31/04; H01M8/02; H01M14/00	NOVEL POROUS METAL OXIDE, PROCESS FOR PRODUCING SAME, AND USE OF SAME
CN102509806 A 20120620	Sichuan University	CN20111332490 20111028	H01M4/86; H01M4/88; H01M8/02	Novel sufficient metal air battery oxygen electrode and preparation method thereof

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WO2012038465 A1 20120329	COMMISSARIAT ENERGIE ATOMIQUE [FR]; CENTRE NAT RECH SCIENT [FR]; BUVAT PIERRICK [FR]; BIGARRE JANNICK [FR]; PERRIN RENAUD [FR]; AMEDURI BRUNO [FR]; SOULES AURELIEN [FR]; BOUTEVIN BERNARD [FR]; UNIV MONTPELLIER 2 SCIENCES ET TECH [FR]	FR20100057668 20100923	C08F293/00; C08F2/38; C08F8/30; C08F8/36; C08F10/02; C08F12/30; C08J5/22; H01M8/10	NOVEL SULFONE POLYMERS USEFUL FOR FORMING FUEL CELL MEMBRANES
US2012129076 A1 20120524	TOYO BOSEKI [JP]	JP20090180552 20090803; JP20090180553 20090803; WO2010JP63077 201008	H01M8/10	Novel Sulfonic Acid Group-Containing Segmented Block Copolymer and U
DE102011116358 A1 20120426	GM GLOBAL TECH OPERATIONS INC [US]	US20100405855P 20101022; US201113247534 20110928	C23C14/14; H01M4/92; H01M8/02	Nucleating metal film on substrate, comprises providing metal layer having surface energy, and depositing continuous, conformal layer of platinum or platinum alloy on metal layer by hydrogen plasma assisted atomic layer deposition
JP2012054073 A 20120315	EQUOS RES CO LTD	JP20100195090 20100831	H01M8/04; H01M4/86	OBSERVATION METHOD OF REACTION LAYER OF FUEL CELL

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JP2012034526 A 20120216	HONDA MOTOR CO LTD [JP]	JP20100173429 20100802	B60L11/18; B60K11/04; H01M8/00; H01M8/04	ONBOARD FUEL CELL SYSTEM
CN102338769 A 20120201	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101238728 20100728	G01N27/60; G01R1/067; G01R19/00; G01R31/36; H01M8/04	On-line measuring method of water content in membranes of proton exchange membrane fuel cells
US2012088167 A1 20120412	EBERSPAECHER J GMBH & CO [DE]	DE201010042034 20101006	H01M8/06	OPERATING METHOD FOR A FUEL CELL SYSTEM
JP2012074397 A 20120412	OSAKA GAS CO LTD	JP20110269174 20111208	H01M8/04; H01M8/10	OPERATING METHOD OF FUEL BATTERY
JP2012067879 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214420 20100924	F17C5/06; C25B9/00	OPERATING METHOD OF HIGH PRESSURE WATER ELECTROLYSIS SYSTEM
JP2012067368 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214473 20100924	C25B9/00; F17C5/06	OPERATING METHOD OF HIGH-PRESSURE WATER ELECTROLYTIC SYSTEM
US2012107711 A1 20120503	NISSAN MOTOR [JP]	JP20090160528 20090707; WO2010JP61364 20100629	H01M8/04	OPERATION CONTROL DEVICE AND OPERATION CONTROL METHOD FOR FUEL CELL
JP2012002416 A 20120105	TOKYO GAS CO LTD [JP]	JP20100137014 20100616	F24H1/00; H01M8/00; H01M8/04	OPERATION CONTROL METHOD OF CO-GENERATION SYSTEM
JP2012038646 A 20120223	NIPPON TELEGRAPH & TELEPHONE	JP20100179359 20100810	H01M8/04; H01M8/12; H01M8/24	OPERATION METHOD OF FLAT-PLATE SOLID OXIDE FUEL CELL MODULE
JP2012038689 A 20120223	NGK SPARK PLUG CO [JP]	JP20100180483 20100811	H01M8/04; H01M8/06	OPERATION METHOD OF FUEL CELL
JP2012099499 A 20120524	SANYO ELECTRIC CO [JP]	JP20120008670 20120119	H01M8/04	OPERATION METHOD OF FUEL CELL SYSTEM

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JP2012087012 A 20120510	KOBE STEEL LTD [JP]	JP20100235443 20101020	C01B3/56; B01D53/04; B01J20/02; B01J20/20; B01J20/34	OPERATION METHOD OF PSA DEVICE FOR PRODUCING HIGH PURITY HYDROGEN GA
JP2012069442 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214502 20100924	H01M8/04; H01M8/00; H01M8/10	OPERATION STOP METHOD OF FUEL CELL SYSTEM
JP2012069441 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214501 20100924	H01M8/04; H01M8/00	OPERATION STOP METHOD OF FUEL CELL SYSTEM
JP2012069440 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214499 20100924	H01M8/04	OPERATION STOP METHOD OF FUEL CELL SYSTEM
JP2012069439 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214498 20100924	H01M8/04	OPERATION STOP METHOD OF FUEL CELL SYSTEM
JP2012069437 A 20120405	HONDA MOTOR CO LTD [JP]	JP20100214470 20100924	H01M8/04; H01M8/00	OPERATION STOP METHOD OF FUEL CELL SYSTEM
JP2012049137 A 20120308	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20110203594 20110916	H01M8/04	OPERATIONAL METHOD FOR FUEL CELL POWER GENERATION SYSTEM
JP2012109079 A 20120607	FUJI ELECTRIC CO LTD	JP20100255894 20101116	H01M8/04	OPERATIONAL METHOD OF FUEL CELL AND FUEL CELL POWER GENERATION DEVICE
JP2012018935 A 20120126	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20110203593 20110916	H01M8/04; H01M8/10	OPERATIONAL METHOD OF FUEL-CELL POWER GENERATION SYSTEM
CN102324538 A 20120118	Zhejiang Yinlun Machinery Co., Ltd.	CN20111193505 20110712	H01M8/10; F01K27/02; H01M8/04	Organic Rankin cyclic generating system based on waste heat recovery of solid oxide fuel cell

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KR20120030136 A 20120327	ARKEMA INC [US]	US20090187068P 20090615	C08J3/22; C08K3/22; C08L27/16; H01M8/02	ORGANIC/INORGANIC COMPOSITE BLEND MEMBRANE COMPOSITIONS OF POLYELECTROLYTE BLENDS WITH NANOPARTICLES
JP2012036254 A 20120223	SUMITOMO CHEMICAL CO [JP]	JP20100175531 20100804	C08G77/28; H01B1/06; H01M8/02; H01M8/10	ORGANOSILICON COMPOUND, CONDENSATE, COMPOSITION, POLYMER ELECTROLYTE MEMBRANE, AND SOLID POLYMER TYPE FUEL CELL
CN102518482 A 20120627	North China Electric Power University	CN20111433112 20111221	F01D15/10; H01M8/04	OTM (oxygen transport membrane)-integrated SOFC (solid oxide fuel cell)/AT (air turbine)/ST (steam turbine) composite power system with zero CO2 (carbon dioxide) emission
JP4955542B2 B2 20120620		JP20050131816 20050428; WO2006JP308810 20060427; JP20070514797 20060	C30B29/34; C01B33/20; C30B15/36; C30B33/00	OXIDE SINGLE CRYSTAL AND METHOD FOR PRODUCTION THEREOF, AND SINGLE CRYSTAL WAFER
EP2436078 A1 20120404	EZELLERON GMBH [DE]	WO2010EP03276 20100528; DE200910023798 20090528	H01M8/12; H01M8/02; H01M8/24	OXIDE-CERAMIC HIGH-TEMPERATURE FUEL CELL
EP2409355 A2 20120125	EVEREADY BATTERY INC [US]	WO2010US27276 20100315; US20090160469P 20090316	H01M12/06; H01M2/10; H01M8/02; H01M10/44	OXYGEN-CONSUMING BATTERY WITH IMPROVED HIGH RATE CAPABILITY
US2012021302 A1 20120126	BAYER MATERIALSCIENCE AG [DE]	DE201010031571 20100720	H01M4/90; C25B11/08; H01M8/02; H01M8/22	OXYGEN-CONSUMING ELECTRODE

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US2012100441 A1 20120426	BAYER MATERIALSCIENCE AG [DE]	DE201010042730 20101021	H01M4/86; C25B1/34; C25B11/03; C25B11/04; C25B11/08; H01M8/22	OXYGEN-CONSUMING ELECTRODE
EP2461402 A1 20120606	BAYER MATERIALSCIENCE AG [DE]	DE201010062421 20101203	H01M4/90; C25B1/26; C25B11/04; H01M4/88; H01M8/08	Oxygen-consuming electrode and method for its production
FR2968839 A1 20120615	PEUGEOT CITROEN AUTOMOBILES SA [FR]	FR20100060381 20101210	H01M2/12; B60L11/18; H01M8/04	PACK BATTERIE HAUTE TENSION ETANCHE
EP2423161 A1 20120229	AQUAFAIRY CORP [JP]	WO2010JP57040 20100421; JP20090104356 20090422	C01B3/06; B65D71/08; H01M8/04; H01M8/06	PACKAGED HYDROGEN-GENERATING AGENT, MANUFACTURING METHOD THEREFOR, AND HYDROGEN GENERATION METHOD
WO2012088503 A2 20120628	STC UNM [US]; SIBBETT SCOTT [US]; LAU CAROLIN [US]; CINICIATO GUSTAV	US201061460037P 20101223	H01M8/16; H01M8/02	PAPER-BASED FUEL CELL
KR20120057996 A 20120607		KR20100119581 20101129	H01M8/04; F04F5/00	Parallel Multi Stage Hydrogen Recirculation Ejector for Fuel Cell
KR20120000815 A 20120104	KUMOH NAT INST TECH ACAD COOP [KR]	KR20100061285 20100628	H01M8/04; H01M8/10; H01M8/24	PARALLEL MULTI-FUEL CELL APPARATUS

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EP2459780 A1 20120606	SNECMA [FR]; UNIV LA ROCHELLE [FR]	FR20090055368 20090730; WO2010FR51613 20100729	C25D9/08; C08F10/00; C23C4/10; C23C14/08; F01D5/28; F02D41/14	PART COMPRISING A SUBSTRATE SUPPORTING A CERAMIC COATING LAYER
US2012135334 A1 20120531	ZINC AIR INC [US]	US201113102566 20110506	H01M8/00; H01M4/64	PARTIAL FLOW CELL
EP2431414 A1 20120321	NITTO DENKO CORP [JP]	JP20100206327 20100915; JP20110009258 20110119	C08K5/3472; C09D5/08; C09D7/12; C09D163/04; H01M2/10; H01M8/02; H01M8/10	Paste composition and printed circuit board
US2012125339 A1 20120524	KONINKL PHILIPS ELECTRONICS NV [NL]	US201213363769 20120201; US20080102463 20080414; US20040918832 20040	A61M15/08; A61M16/06; A62B18/08; B01F17/00; B01F17/42; B01J13/00; C01B3/34; C01B3/38; C10L1/18; C10L1/32; C23F11/00; H01M8/04; H01M8/06; H01M8/22; A61M16/08; A61H/00; H01M/00	PATIENT INTERFACE ASSEMBLY AND SYSTEM USING SAME
KR20120001391 A 20120104	KOREA INST SCI & TECH [KR]	KR20100062142 20100629	H01M4/90; B01J23/63; H01M8/02;	PD-Y ALLOY CATALYST AND METHOD FOR PREPARING THE SAME, FUEL CELL COMPRISING THE CATALYST

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			H01M8/10	
EA201101662 A1 20120530	TOYOTA MOTOR CO LTD [JP]	GB20060013877 20060713; GB20070007801 20070423	C23C14/35; H01M8/02	PHOSPHONIC ACID POLYMER, METHOD FOR PRODUCING THE SAME, AND ELECTROLYTE FILM FOR FUEL CELL
JP2012107185 A 20120607	TOYOTA MOTOR CO LTD [JP]	JP20100234610 20101019; JP20110086253 20110408	C08F20/28; H01B1/06; H01M8/02; H01M8/10	PHOSPHONIC ACID POLYMER, METHOD FOR PRODUCING THE SAME, AND ELECTROLYTE FILM FOR FUEL CELL
JP2012107245 A 20120607	TOYOTA ENG & MFG NORTH AMERICA GEORGIA TECH RES INST	US20030502178P 20030911; US20030511836P 20031016; US20040938268 2004	C08G77/30; C08G77/46; C08J5/22; C08L101/00; C08L83/12; H01B1/06; H01B13/00; H01M8/02; H01M8/10	PHOSPHONIC-ACID GRAFTED HYBRID INORGANIC-ORGANIC PROTON ELECTROLYTE MEMBRANE (PEM)
US2012122002 A1 20120517	KAMAT MITHUN [US]; VAN DINE LESLIE L [US]; ISOM JOSHUA D [US]; RAMAS	US	H01M8/04; H01M8/02; H01M8/24	PHOSPHORIC ACID FUEL CELL WITH INTEGRATED ABSORPTION CYCLE REFRIGERA
EP2433947 A1 20120328	SAMSUNG ELECTRONICS CO LTD [KR]	EP20080164096 20080910; KR20070092145 20070911	C07F9/6533; C07F9/6558; C08J5/22; H01M4/86; H01M4/90; H01M4/92; H01M8/10	Phosphorous containing benzoxazine-based monomer

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
EP2439313 A1 20120411	PANASONIC CORP [JP]	WO2010JP03670 20100601; JP20090132809 20090602; JP20090133749 20090603	C25B9/00; C01B3/04; C25B1/04; H01M8/06	PHOTOELECTROCHEMICAL CELL
CN102334230 A 20120125	PANASONIC CORP [JP]	WO2010JP04942 20100805; JP20090182879 20090805	H01M14/00; H01M8/00; H01M8/06	Photoelectrochemical cell and energy system using same
CN102484303 A 20120530	PANASONIC CORP [JP]	WO2011JP01661 20110322; JP20100083418 20100331	H01M14/00; C25B11/06; H01M8/00; H01M8/06	Photoelectrochemical cell and energy system using same
JP2012114017 A 20120614	PANASONIC CORP [JP]	JP20100263210 20101126	H01M14/00; C01G23/047; H01L31/04; H01L31/042; H01M8/00; H01M8/06	PHOTOELECTROCHEMICAL CELL AND ENERGY SYSTEM USING THE SAME
JP2012114016 A 20120614	PANASONIC CORP [JP]	JP20100263208 20101126	H01M14/00; H01L31/04; H01M8/00; H01M8/06; H01M10/44	PHOTOELECTROCHEMICAL CELL AND ENERGY SYSTEM USING THE SAME
AT551383T T 20120415	UNIV NORTH CAROLINA [US]; CALIFORNIA INST OF TECHN [US]	US20030505384P 20030923; US20030524788P 20031121; WO2004US31274 20040923	C08J5/20; B05D5/12; B81B1/00; C08J5/12; C09D171/02; H01M4/88; H01M8/10	PHOTOHÄRTBARE PERFLUORPOLYETHER ZUR VERWENDUNG ALS NEUE WERKSTOFFE IN MIKROFLUIDISCHEN VORRICHTUNGEN

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EP2424032 A1 20120229	FUKUTOME HIROFUMI [JP]	WO2010JP56994 20100420; JP20090119239 20090420	H01M14/00; H01L31/04; H01M8/06	PHOTOVOLTAIC CELL
ES2371511T T3 20120104	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20070059896 20071217	H01M8/24	PILA DE COMBUSTIBLE DE ENSAMBLAJE PLANO CON ESTANQUEIDAD SIMPLIFICADA.
ES2377797 A1 20120402	CONSEJO SUPERIOR INVESTIGACION [ES]	ES20100030894 20100609	H01M8/02; H01M8/10	PILA DE COMBUSTIBLE DE PLACAS DE BIPOLARES CON LAMINA METALICA CORRU
FR2969827 A1 20120629	HELION [FR]	FR20100061072 20101222	H01M8/04	PILE A COMBUSTIBLE A SYSTEME DE CIRCULATION DE FLUIDES ADAPTE POUR I
WO2012007989 A1 20120119	TOYOTA MOTOR CO LTD [JP]; AISIN SEIKI [JP]; KATANO KOJI [JP]; MIYANAGA NARITSUNE [JP]; MISHIMA TAKASHI [JP]	JP	H01M8/04	PIPING UNIT FOR USE IN FUEL CELL AND FUEL CELL UNIT PROVIDED THEREWITH, AND FUEL CELL SYSTEM
CU20100114 A7 20120621	UNIV DE MATANZAS CAMILO CIENFUEGOS [CU]	CU20100000114 20100601	H01M8/00	PLACA CON DOS ÁREAS Y GEOMETRÍA DE FLUJO DE ESPINA DE PEZ PARA PILAS
US2012100453 A1 20120426	ATOMIC ENERGY COUNCIL [TW]	TW20100135883 20101021	H01M8/24; H01M8/04	Planar SOFC Stack
JP4920133B2 B2 20120418		FR19980014199 19981112; WO1999FR02765 19991110	H01M8/02; H01M8/04; H01M8/10	PLAQUES BIPOLAIRES POUR PILE A COMBUSTIBLE ET PILE A COMBUSTIBLE COMPRENANT CES PLAQUES

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EP2454772 A1 20120523	UNIV DANMARKS TEKNISKE [DK]	WO2010DK50193 20100716; EP20090389502 20090717; US20090226462P 20090	H01M4/92; H01M4/86; H01M8/10	PLATINUM AND PALLADIUM ALLOYS SUITABLE AS FUEL CELL ELECTRODES
JP2012000612 A 20120105	JGC CATALYSTS & CHEMICALS LTD	JP20110173059 20110808	B01J23/42; B01J35/10; H01M4/92; H01M4/96	PLATINUM COLLOID-CARRYING CARBON
CN102438743 A 20120502	SONY CORP [JP]	WO2010JP58788 20100525; JP20090131689 20090601	B01J23/46; H01M4/92; H01M8/10	Platinum-containing catalyst and fuel cell using same
JP2012031805 A 20120216	PANASONIC CORP [JP]	JP20100173349 20100802	F04B7/06; H01M8/04; H01M8/06	PLUNGER PUMP AND FUEL CELL ELECTRIC POWER GENERATION SYSTEM WITH PLUNGER PUMP
CN102306822 A 20120104	China Huaneng Group Cleaning Energy Technology Research Institute Co., Ltd.	CN20111257666 20110901	H01M8/24; H01M8/02; H01M8/14	Pneumatic powder feeding type molten carbonate direct carbon fuel cell stack
CN102432765 A 20120502	CAS Guangzhou Chemistry Co., Ltd.	CN20111232347 20110815	C08F120/28; C08F265/04; C08F8/14; C08F8/20; C08F8/44; C08J5/22; C08J7/16; H01M8/02	Poly(2-hydroxyethyl methacrylate) and anion exchange membrane for vanadium battery
CN102324534 A 20120118	Donghua University	CN20111219457 20110802	H01M8/02; B29D7/01; H01M2/16	Polyamide membrane with proton conduction property, and preparation method thereof

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JP2012020232 A 20120202	UNITIKA LTD	JP20100160072 20100714	B01D71/56; B01D53/26; B01D69/08; B01D71/38	POLYAMIDE PERMEABLE MEMBRANE AND METHOD OF PRODUCING THE SAME
EP2424018 A1 20120229	JSR CORP [JP]; HONDA MOTOR CO LTD [JP]	JP20100190650 20100827	H01M8/00; C08G65/40	Polyarylene block copolymer having sulfonic acid group and use thereof
CN102516556 A 20120627	South China University of Technology	CN20111393709 20111201	C08G65/40; C08G73/06; C08G81/00; C08J5/22; C08L87/00; H01M2/16; H01M8/02	Polyarylene ether ionomer material having microphase separation structure and preparation method and application thereof
JP2012001715 A 20120105	SUMITOMO CHEMICAL CO [JP]	JP20100115134 20100519; JP20110111078 20110518	C08G61/12; H01B1/06; H01M4/86; H01M8/02; H01M8/10	POLYARYLENE-BASED BLOCK COPOLYMER, PRODUCTION METHOD THEREOF, AND POLYMER ELECTROLYTE
CN102516526 A 20120627	Sun Yat-Sen University	CN20111393295 20111201	C08G65/40; C08J5/22; C08L71/10; H01M2/16; H01M8/02	Polyarylether compound containing quaternary ammonium salt side group and fluorenyl and preparation method and application thereof
KR20120051519 A 20120522	DONGJIN SEMICHEM CO LTD [KR]	KR20100113002 20101112	C08G61/12; C08G73/00; H01M8/02; H01M8/10	POLYAZINE BASED POLYMER, ELECTROLYTE MEMBRANE COMPRISING POLYMER, AN
KR20120061156 A 20120613		KR20100109289 20101104	C08G73/18; H01M8/02; H01M8/10	Polybenzimidazole Based Polymer Having Conductivity of Hydroxyl Ion

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US2012070765 A1 20120322	SAMSUNG SDI CO LTD [KR]	US201113243581 20110923; KR20050081994 20050903; KR20050081995 20050903; US20060514254 20060901	H01M8/10; B32B37/00; B32B37/14; C08J5/22	POLYBENZOXAZINE-BASED COMPOUND, ELECTROLYTE MEMBRANE INCLUDING THE SAME, AND FUEL CELL EMPLOYING THE ELECTROLYTE MEMBRANE
US2012164556 A1 20120628	SAMSUNG SDI CO LTD [KR]	US201213406680 20120228; KR20060048303 20060529; US20070743778 20070	H01M8/10; C08G73/18; C08G73/22; C08G75/32; H01M8/00	POLYBENZOXAZINES, ELECTROLYTE MEMBRANE COMPRISING THE SAME, AND FUEL
WO2012039236 A1 20120329	KURARAY CO [JP]; KUBO KEIJI [JP]; KAWASAKI MASAHIRO [JP]; SUZUKI CHIE [JP]; SHIMIZU KAZUYA [JP]; SUGOH NOZOMU [JP]	JP20100212433 20100922	C08L101/02; C08J5/22; C08K3/02; H01B1/06; H01M8/02; H01M8/10	POLYELECTROLYTE COMPOSITION, POLYELECTROLYTE MEMBRANE, AND MEMBRANE/ELECTRODE ASSEMBLY
JP2012099444 A 20120524	KANEKA CORP; UNIV YAMANASHI	JP20100248627 20101105	H01M8/02; C08G81/00; H01B1/06; H01B13/00; H01M4/86; H01M8/10	POLYELECTROLYTE, MANUFACTURING METHOD FOR THE SAME, AND USE OF THE S

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JP2012099443 A 20120524	KANEKA CORP; UNIV YAMANASHI	JP20100248626 20101105	H01M8/02; C08G81/00; H01B1/06; H01B13/00; H01M4/86; H01M8/10	POLYELECTROLYTE, MANUFACTURING METHOD FOR THE SAME, AND USE OF THE S
JP4934822B2 B2 20120523		JP20050167588 20050607; WO2006JP311080 20060602; JP20070520077 20060	C08G73/10; H01B1/06; H01M8/02; H01M8/10	POLYIMIDE RESIN AND ELECTROLYTE MEMBRANE
JP2012506945 A 20120322		CN	C08J5/22; H01B1/06; H01B13/00	POLYMER BLEND PROTON EXCHANGE MEMBRANE AND METHOD FOR MANUFACTURING THE SAME
EP2461413 A1 20120606	SUMITOMO CHEMICAL CO [JP]	EP20070115687 20001222; EP20000128267 20001222; JP20000061768 200003	C08F8/36; C08G65/02; C08G65/24; C08G65/48; C08G81/00; C08J5/22; H01B1/12; H01M8/02; H01M8/10	Polymer electrolyte
JP2012084295 A 20120426	TOPPAN PRINTING CO LTD [JP]	JP20100228170 20101008	H01M8/02; C08G61/10; H01B1/06; H01M8/10	POLYMER ELECTROLYTE AND IONIC MATERIAL HAVING POLYMERIZABLE GROUP

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JP2012084398 A 20120426	TOYOTA CENTRAL RES & DEV [JP]; TOYOTA MOTOR CORP [JP]	JP20100229903 20101012	H01M4/86; C08F16/38; H01B1/06; H01B13/00; H01M8/10	POLYMER ELECTROLYTE AND METHOD FOR PRODUCING SAME, AND FUEL CELL
KR20120017142 A 20120228	UNIV YONSEI IACF [KR]	KR20100079653 20100818	H01M8/10; C08J5/22; D01F9/12; H01M8/02	POLYMER ELECTROLYTE COMPOSITE MEMBRANE FOR OPERATING PEMFC AT HIGH TEMPERATURE
WO2012026623 A1 20120301	SUMITOMO CHEMICAL CO [JP]; ISHIYAMA TAKESHI [JP]; NAKAMURA TAISUKE [JP]	JP20110074558 20110330; JP20100190569 20100827	H01M8/02; C08K5/372; C08K5/45; C08L101/12; H01B1/06; H01M4/86; H01M8/10	POLYMER ELECTROLYTE COMPOSITION AND POLYMER ELECTROLYTE MEMBRANE
WO2012015072 A1 20120202	SUMITOMO CHEMICAL CO [JP]; ISHIYAMA TAKESHI [JP]; ONODERA TORU [JP]; MASUI KENTARO [JP]; NAKAMURA TAISUKE [JP]	JP20100168946 20100728	H01M8/02; C08G75/23; C08J5/22; C08K5/46; C08L65/00; C08L81/06; C08L101/12; H01B1/06; H01M4/86; H01M8/10	POLYMER ELECTROLYTE COMPOSITION, POLYMER ELECTROLYTE AND SULFUR-CONTAINING HETEROCYCLIC AROMATIC COMPOUND
JP2012124126 A 20120628	SUMITOMO CHEMICAL CO [JP]	JP20100276147 20101210	H01M8/02; C08K3/00; C08L101/02; H01B1/06; H01M4/86; H01M8/10	POLYMER ELECTROLYTE COMPOSITION, POLYMER ELECTROLYTE MEMBRANE, CATALYST LAYER FOR SOLID POLYMER FUEL CELL, AND MEMBRANE ELECTRODE ASSEMBLY

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JP2012069536 A 20120405	SAMSUNG SDI CO LTD [KR]	KR20040082155 20041014; KR20050055834 20050627	H01M8/02; H01M8/10	POLYMER ELECTROLYTE FILM FOR DIRECT OXIDATION TYPE FUEL CELL, MANUFACTURING METHOD THEREFOR, AND DIRECT OXIDATION TYPE FUEL CELL SYSTEM INCLUDING THE SAME
US2012082919 A1 20120405	ONUMA ATSUHIKO [JP]; MORISHIMA MAKOTO [JP]	JP20100220195 20100930	H01M8/10	POLYMER ELECTROLYTE FUEL CELL
WO2012046870 A1 20120412	W L GORE & AMP ASSOCIATES CO LTD [JP]; TAKANE TOMOYUKI [JP]; MATSUURA NAKO [JP]	JP20100225647 20101005	H01M8/02; B01J23/10; B01J27/18; H01M4/86; H01M8/10	POLYMER ELECTROLYTE FUEL CELL
US2012040268 A1 20120216	OKANISHI TAKEOU [JP]; KOASHI NAOTSUGU [JP]; TSUJI YOICHIRO [JP]	JP20100061045 20100317; WO2011JP01490 20110315	H01M8/10	POLYMER ELECTROLYTE FUEL CELL AND FUEL CELL STACK COMPRISING THE SAME
EP2413413 A1 20120201	PANASONIC CORP [JP]	WO2010JP02211 20100326; JP20090080362 20090327	H01M8/24; H01M8/04; H01M8/10	POLYMER ELECTROLYTE FUEL CELL STACK
JP4944345B2 B2 20120530		JP20000187260 20000622; JP20000247810 20000817; JP20010009356 200101	H01M4/88; H01M4/86; H01M8/02; H01M8/10	POLYMER ELECTROLYTE FUEL CELL, METHOD FOR MANUFACTURING ELECTRODE THEREOF, AND MANUFACTURING APPARATUS

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KR20120010420 A 20120203	UNIV SOGANG IND UNIV COOP FOUN [KR]	KR20100071947 20100726	H01M8/10; C08F8/40; C08F30/02; H01B1/06	POLYMER ELECTROLYTE HAVING CHEMICALLY BONDED PHOSPHORIC ACID GROUP, PREPARIONG METHOD OF THE SAME, AND MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL USING THE SAME
JP2012022910 A 20120202	TORAY INDUSTRIES [JP]	JP20100160313 20100715	H01M8/02; C08L71/08; C08L77/00; H01B1/06; H01M4/86; H01M8/10	POLYMER ELECTROLYTE MATERIAL, POLYMER ELECTROLYTE MEMBRANE USING THE SAME, AND MEMBRANE ELECTRODE ASSEMBLY
KR101119532B B1 20120228	POSTECH ACAD IND FOUND [KR]	KR20100072982 20100728	H01M8/10; C07D233/00; C08F293/00; H01B1/12	POLYMER ELECTROLYTE MEMBRANE AND FUEL CELL USING THE SAME
KR20120002319 A 20120105	HYUNDAI MOTOR CO LTD [KR]; DONGJIN SEMICHEM CO LTD [KR]	KR20100063138 20100630	H01M8/02; C08L71/12; H01M4/86; H01M8/10	POLYMER ELECTROLYTE MEMBRANE FOR FUEL CELL
US2012141913 A1 20120607	IUCF HYU [KR]	KR20090077748 20090821; KR20100079257 20100817; WO2010KR05508 201008	H01M8/10; C08J5/20	POLYMER ELECTROLYTE MEMBRANE FOR POLYMER ELECTROLYTE FUEL CELL, METH
US2012082915 A1 20120405	HITACHI LTD [JP]	JP20100220255 20100930	H01M8/04; H01M8/24	Polymer Electrolyte Membrane Fuel Cell

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JP2012506941 A 20120322		KR20080108773 20081104; KR20090105949 20091104; WO2009KR06467 20091104	C08G65/40; H01B1/06; H01M8/02; H01M8/10	POLYMER ELECTROLYTE MEMBRANE
US2012107721 A1 20120503	HITACHI LTD [JP]	JP20100245873 20101102	H01M8/10	POLYMER ELECTROLYTE MEMBRANE, AND MEMBRANE ELECTRODE ASSEMBLY AND PO
JP2012079415 A 20120419	TOYO BOSEKI [JP]	JP20100220530 20100930	H01M8/02; H01B1/06; H01M8/10	POLYMER ELECTROLYTE MEMBRANE, AND MEMBRANE/ELECTRODE ASSEMBLY USING THE SAME AND FUEL CELL
JP2012104494 A 20120531	SUMITOMO CHEMICAL CO [JP]	JP20060229697 20060825; JP20110278037 20111220	H01M8/02; C08G61/12; H01B1/06; H01B13/00	POLYMER ELECTROLYTE MEMBRANE, MANUFACTURING METHOD THEREFOR, AND EVA
JP2012109231 A 20120607	SUMITOMO CHEMICAL CO [JP]	JP20100236646 20101021; JP20110232022 20111021	H01M8/02; H01B1/06; H01M8/10	POLYMER ELECTROLYTE MEMBRANE, MEMBRANE- ELECTRODE ASSEMBLY AND SOLID POLYMER FUEL CELL
WO2012043400 A1 20120405	KURARAY CO [JP]; ONO TOMOHIRO [JP]; YAMASHITA TAKETOMO [JP]; TOSHINARI KENTA [JP]; KUBO KEIJI [JP]; SUGOH NOZOMU [JP]	JP20100221081 20100930	H01M8/02; C08F297/04; H01B1/06; H01M8/10	POLYMER ELECTROLYTE MEMBRANE, MEMBRANE- ELECTRODE ASSEMBLY, AND POLYMER ELECTROLYTE FUEL CELL
EP2405516 A1 20120111	PANASONIC CORP [JP]	WO2010JP01439 20100303; JP20090050077 20090304	H01M8/02; H01M8/10	POLYMER ELECTROLYTE TYPE FUEL CELL GASKET

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WO2012015071 A1 20120202	SUMITOMO CHEMICAL CO [JP]; ISHIYAMA TAKESHI [JP]; MORIWAKI SHOTA [JP]; HIDA NORIYUKI [JP]; HIBINO HIROAKI [JP]	JP20100168947 20100728	H01M8/02; C08G75/23; C08J5/22; C08K5/46; C08L65/00; C08L81/06; C08L101/12; H01B1/06; H01M4/86; H01M8/10	POLYMER ELECTROLYTE, POLYMER ELECTROLYTE FILM AND POLYARYLENE COMPOUND
US2012064431 A1 20120315	SONY CORP [JP]	JP20090134574 20090604; WO2010JP59888 20100604	H01M8/10; B05D3/00; B05D5/12	POLYMER ELECTROLYTE-CATALYST COMPOSITE STRUCTURE PARTICLE AND MANUFACTURING METHOD THEREOF, ELECTRODE, MEMBRANE ELECTRODE ASSEMBLY (MEA), AND ELECTROCHEMICAL DEVICE
JP4904439B2 B2 20120328		JP20090174508 20090727; WO2010JP04571 20100714; JP20110524637 20100714	H01M8/02; H01M8/10; H01M8/24	POLYMER FUEL CELL STACK AND POLYMER FUEL CELL SEPARATOR PAIR
JP2012054089 A 20120315	TOYO BOSEKI [JP]	JP20100195517 20100901	H01M8/02; H01M8/10	POLYMER SOLID ELECTROLYTE MEMBRANE LAMINATE
WO2012027925 A1 20120308	JS POWER INC [CN]; PARK JUNG-TAE [CN]; WANG JIZHONG [CN]	CN20101272356 20100903	H01M8/06; H01M8/04	POLYMER TYPE HYDROGEN FUEL CELL HAVING HYDROGEN GENERATION DEVICE AND CONTROL SYSTEM
CN102382285 A 20120321	SUMITOMO CHEMICAL CO [JP]	JP20060239976 20060905	C08G61/12; B01J31/08; B01J31/10; H01B1/12; H01M8/10	Polymer, polymer electrolyte and fuel cell using the same

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DE102010042957 A1 20120426	WACKER CHEMIE AG [DE]	DE201010042957 20101026	C08G73/06; B01D71/62; C08G73/18; C25B9/08; H01M8/10	Polymere auf der Basis von Polyazolen
DE112010003385T T5 20120606	KOLON FASHION MATERIAL INC [KR]; KOLON INC [KR]	KR20090078876 20090825; KR20100039471 20100428; WO2010KR05699 201008	H01M8/10; C08J5/22; C08J7/00; H01B1/06; H01M8/02	Polymer-Elektrolyt-Membran für eine Brennstoffzelle und Verfahren fü
AT546847T T 20120315	KURARAY CO [JP]	JP20040377999 20041227; JP20050190149 20050629; WO2005JP24248 20051227	H01M8/02; H01B1/06; H01M8/10	POLYMER-ELEKTROLYTMEMBRAN FÜR EINE FESTPOLYMER- BRENNSTOFFZELLE, MEMBRAN- ELEKTRONEN-BAUGRUPPE UND BRENNSTOFFZELLE
AT552595T T 20120415	CANON KK [JP]	JP20060306958 20061113; WO2007JP71591 20071031	H01B1/06; C08J9/42; H01M8/02; H01M8/10	POLYMERELEKTROLYTMEMBRAN UND VERFAHREN ZUM HERSTELLEN EINER POLYMERELEKTROLYTMEMBRAN
AT542257T T 20120215	3M INNOVATIVE PROPERTIES CO [US]	US20040945178 20040920	H01M8/10; C08J5/22	POLYMERELEKTROLYTMEMBRANEN FÜR BRENNSTOFFZELLEN
DE112009002581T T5 20120621	TOYOTA MOTOR CO LTD [JP]	JP20080272141 20081022; WO2009JP67760 20091014	C08G61/12; C08G75/23; C08G85/00; H01B1/06; H01B13/00; H01M8/02; H01M8/10	Polymerelektrolyt-Syntheseverfahren, Polymerelektrolytmembran und Fe

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JP2012025882 A 20120209	TOYOTA MOTOR CORP [JP]; HYOGO PREFECTURE	JP20100167344 20100726	C08L101/06; C08K3/22; H01B1/06; H01M8/02; H01M8/10	POLYMERIC COMPOUND, METHOD FOR PRODUCTION OF POLYMERIC COMPOUND, AND ELECTROLYTE MEMBRANE FOR FUEL CELL USING POLYMERIC COMPOUND
JP2012107220 A 20120607	SUMITOMO CHEMICAL CO [JP]	JP20100236644 20101021; JP20110232052 20111021	C08J5/18; C08K5/06; C08L101/12; H01B1/06; H01B13/00; H01M8/02; H01M8/10	POLYMERIC ELECTROLYTE COMPOSITION, POLYMERIC ELECTROLYTE MEMBRANE, AND METHOD OF PRODUCING THE POLYMERIC ELECTROLYTE MEMBRANE
JP4954411B2 B2 20120613		IT1999MI02531 19991203; WO2000EP12099 20001201	H01M8/24; H01M8/02; H01M8/04; H01M8/10	POLYMERIC MEMBRANE FUEL CELL STACK
CN102320133 A 20120118	Xinxiang Zhongke Science & Technology Co., Ltd.; Xinxiang Green New Energy Material Co., Ltd.	CN20111129024 20110518	B29C69/00; C08J9/28; C08L23/00; H01M2/16; H01M8/02	Polyolefin battery diaphragm and preparation method for the same
US2012094212 A1 20120419	NISSAN MOTOR [JP]	JP20090146304 20090619; WO2010JP59832 20100610	H01M8/10; C08G18/32; C08G18/83	POLYUREA ELECTROLYTE AND METHOD FOR MANUFACTURING THE SAME
US2012107723 A1 20120503	RENSELAER POLYTECH INST [US]	US201013378113 20100708; US20090223753P 20090708; WO2010US41375 2010	H01M4/88; H01M4/86; H01M8/00; H01M8/10	PORE FORMATION BY IN SITU ETCHING OF NANOROD PEM FUEL CELL ELECTRODE

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AT539105T T 20120115	TORAY INDUSTRIES [JP]	JP20020173931 20020614; JP20030043917 20030221; WO2003JP06593 20030527	C08J9/28; A61M1/18; B01D67/00; B01D69/02; B01D69/08; B01D69/12; B01D71/26; B01D71/34; B01D71/42; B01D71/68; C02F1/44; H01M2/16; H01M6/18; H01M8/02; H01M8/10; H01M10/40	PORÖSE MEMBRAN UND VERFAHREN ZUR HERSTELLUNG DER PORÖSEN MEMBRAN
AT546849T T 20120315	HEXIS AG [CH]	EP20010810312 20010328	C04B38/00; H01M8/12; B28B1/26; B28B7/46; C25B1/04; H01M4/86; H01M4/88; H01M8/24	PORÖSER, GASDURCHLÄSSIGER SCHICHTUNTERBAU ZU EINER DÜNNEN, GASDICHTEN SCHICHT, ZUR VERWENDUNG ALS FUNKTIONELLE KOMPONENTE IN HOCHTEMPERATUR- BRENNSTOFFZELLEN
JP4869926B2 B2 20120208		JP20040091384 20040326; WO2005JP05565 20050325; JP20060519451 20050325	C01F7/02; C01F7/36; C01F17/00; H01B1/06; H01B5/00; H01B13/00; H01M8/02	POROUS ALUMINA PARTICLE, METHOD FOR PRODUCING SAME AND USE THEREOF

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JP2012043688 A 20120301	SANYO SPECIAL STEEL CO LTD	JP20100184923 20100820	H01M8/02; B22F7/04; B23K20/00	POROUS BODY PASSAGE TYPE FUEL CELL SEPARATOR USING LOW-TEMPERATURE DIFFUSION BONDING AND METHOD FOR MANUFACTURING THE SAME
US2012003549 A1 20120105	KHASIN ERNST [US]; ZABAN ARIE [US]	US201113172100 20110629; US20090441959 20091211; WO2007US79261 20070924; US20060846346P 20060922	H01M8/22; B01J21/06; B01J23/50; B01J23/89; B01J31/06; B01J31/38	POROUS CLUSTERS OF SILVER POWDER COMPRISING ZIRCONIUM OXIDE FOR USE IN GAS DIFFUSION ELECTRODES, AND METHODS OF PRODUCTION THEREOF
US2012003563 A1 20120105	UNIV WESTERN ONTARIO [CA]; GM GLOBAL TECH OPERATIONS INC [US]	US201113232016 20110914; US20100704786 20100212	H01M8/10; B01J23/42	POROUS DENDRITIC PLATINUM TUBES AS FUEL CELL ELECTROCATALYSTS
JP2012033269 A 20120216	MITSUBISHI RAYON CO [JP]	JP20100155585 20100708; JP20100166940 20100726	H01M4/86; H01M8/02; H01M8/10	POROUS ELECTRODE BASE MATERIAL AND MANUFACTURING METHOD FOR THE SAME
JP2012099302 A 20120524	MITSUBISHI RAYON CO [JP]	JP20100245113 20101101	H01M4/88; H01M4/96	POROUS ELECTRODE BASE MATERIAL AND MANUFACTURING METHOD THEREOF
JP2012018824 A 20120126	MITSUBISHI RAYON CO [JP]	JP20100155586 20100708	H01M4/86; H01M8/02; H01M8/10	POROUS ELECTRODE BASE MATERIAL AND METHOD FOR MANUFACTURING THE SAME

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CN102422471 A 20120418	mitsubishi rayon co [JP]	WO2010JP70862 20101124; JP20090266278 20091124; JP20100157824 20100712	H01M4/88; B01J23/42; H01M4/96; H01M8/10	Porous electrode base material and process for production thereof
WO2012060258 A1 20120510	mitsubishi rayon co [JP]; SUMIOKA KAZUHIRO [JP]; SAKO YOSHIHIRO [JP]	JP20100245133 20101101	H01M4/96; C04B35/80; D21H13/50; D21H27/00; H01M4/88; H01M8/10	POROUS ELECTRODE BASE MATERIAL AND PROCESS FOR PRODUCTION THEREOF, P
CN102422470 A 20120418	mitsubishi rayon co [JP]	WO2010JP61583 20100708; JP20090161694 20090708	H01M4/88; D21H13/50; H01M8/10	Porous electrode base material, and process for production thereof
CN102414884 A 20120411	mitsubishi rayon co [JP]	WO2010JP70801 20101122; JP20090266331 20091124	H01M4/96; H01M4/88; H01M8/10	Porous electrode base material, process for production thereof, precursor sheet, film-electrode assembly, and solid polymer fuel cell
JP2012099363 A 20120524	mitsubishi rayon co [JP]	JP20100246696 20101102	H01M4/88; D01F9/22; D04H1/4242; D04H1/43; D04H1/498; H01M4/96	POROUS ELECTRODE SUBSTRATE, AND METHOD FOR MANUFACTURING THE SAME

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US2012058412 A1 20120308	TOYOTA MOTOR CO LTD [JP]	US201113291872 20111108; JP20060115726 20060419; US20080296454 20081008; WO2007JP59006 20070419	H01M8/10	POROUS MATERIAL FOR FUEL CELL ELECTROLYTE MEMBRANE, METHOD FOR PRODUCING THE SAME, ELECTROLYTE MEMBRANE FOR SOLID POLYMER FUEL CELL, MEMBRANE ELECTRODE ASSEMBLY (MEA), AND FUEL CELL
AU2010317666 A1 20120531	NANO NOUVELLE PTY LTD	AU20090905532 20091111; AU20100902509 20100608; AU20100901022 201003	B01D67/00; B01D63/08; B01D69/06; H01M8/10	Porous materials
WO2012029405 A1 20120308	MURATA MANUFACTURING CO [JP]; SAITO JUNICHI [JP]	JP20100193897 20100831	C23C18/52; C23C18/34; C25D3/02; G01N27/30; G01N27/327; H01G9/058; H01M4/80; H01M4/86; H01M8/02	POROUS METAL FILM, ELECTRODE, CURRENT COLLECTOR, ELECTROCHEMICAL SENSOR USING SAME, ELECTRIC STORAGE DEVICE, SLIDING MEMBER, AND METHOD FOR PRODUCING POROUS METAL FILM
US2012021333 A1 20120126	INER AEC EXECUTIVE YUAN [TW]	TW20100124324 20100723	H01M4/64; H01M4/88; H01M4/90; H01M8/12	POROUS METAL SUBSTRATE STRUCTURE FOR A SOLID OXIDE FUEL CELL

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WO2012025380 A1 20120301	WACKER CHEMIE AG [DE]; HANELT ECKHARD [DE]; BORTENSCHLAGER MARTIN [DE]; HALBACH TOBIAS [DE]; HAUFE STEFAN [DE]; HOELZL MANFRED [DE]; LEUTE MARIA [DE]	DE201010039900 20100827	C08J5/18; B01D71/62; C08J5/22; C08J9/26; H01M8/10	POROUS POLYMER FILMS BASED ON NITROGENOUS AROMATIC POLYMERS
KR20120031036 A 20120329	KOREA ADVANCED INST SCI & TECH [KR]	KR20120013447 20120209	H01M8/12; H01M8/02	POROUS-METAL SUPPORTED SOFC AND METHODS FOR MANUFACTURING THE SAME
KR20120058646 A 20120608		KR20100082717 20100826	F25D11/00; H01M8/00	Portable Coller
US2012028080 A1 20120202	TRUITT PATRICK W [US]	US20100848609 20100802	H01M10/50; H01M8/04	PORTABLE ELECTRONIC DEVICE WITH HEATER SYSTEM
US2012141892 A1 20120607	BIC SOC [FR]	US201213367998 20120207; US20080025627 20080204; US20070887955P 2007	H01M8/06	PORTABLE FUEL CELL POWER SOURCE
US2012115048 A1 20120510	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100109261 20101104	H01M8/22; B01J21/18; H01M8/02	POSITIVE ELECTRODE FOR LITHIUM AIR BATTERY, METHOD OF PREPARING THE
US2012115047 A1 20120510	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100109784 20101105	H01M12/06; H01M4/88; H01M4/90; H01M8/22	POSITIVE ELECTRODE FOR LITHIUM AIR BATTERY, METHOD OF PREPARING THE

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FR2964669 A1 20120316	SAINT GOBAIN CT RECHERCHES [FR]; CONSEJO SUPERIOR INVESTIGACION [ES]	FR20100057339 20100914	C22C29/12; C04B35/453; H01M4/86; H01M8/12	POUDRE DE GRAINS DE CERMET FONDU
JP2012049070 A 20120308	NAT INST FOR MATERIALS SCIENCE [JP]	JP20100192026 20100830	H01M4/90; C01F17/00; C01G25/02; H01M4/88; H01M8/10	POWDER MATERIAL FOR ELECTRODE, MANUFACTURING METHOD FOR THE SAME AND POLYMER FUEL CELL
JP2012048893 A 20120308	AGC SEIMI CHEMICAL CO LTD	JP20100188221 20100825	H01M4/86; H01M4/88; H01M8/12	POWDER OF AIR ELECTRODE MATERIAL FOR SOLID OXIDE FUEL CELL AND METHOD OF PRODUCING THE SAME
CN102474199 A 20120523	SANYO ELECTRIC CO [JP]	WO2011JP54403 20110225; JP20100042445 20100226	H02M7/48; H01M8/00; H01M8/04; H02J3/38; H02J7/35; H02M3/155	Power conversion apparatus, grid connection apparatus, and grid connection system
WO2012081204 A1 20120621	PANASONIC CORP [JP]; YASUDA SHIGEKI [JP]; YUKIMASA AKINORI; INOUE ATSUTAKA	JP20100276950 20101213	H01M8/04; H01M8/00; H01M8/06	POWER GENERATING SYSTEM AND METHOD FOR OPERATING SAME
WO2012081206 A1 20120621	PANASONIC CORP [JP]; TATSUI HIROSHI; MORITA JUNJI; YASUDA SHIGEKI [JP]; YUKIMASA AKINORI; INOUE ATSUTAKA	JP20100276954 20101213	H01M8/04; F24H1/00; H01M8/00; H01M8/06	POWER GENERATING SYSTEM AND METHOD OF OPERATING SAME

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CN202144772U U 20120215	Fuel Pty Ltd.	WO2008AU00785 20080603; AU20070903060 20070607	F03D9/02; H01M8/04; H01M8/18; H01M10/44; H02J7/00	Power generating system capable of generating and storing electric power
JP2012074307 A 20120412	TDK CORP	JP20100219643 20100929	H01M8/02; H01M4/86; H01M8/12	POWER GENERATION CELL FOR SOLID OXIDE FUEL CELL
JP2012074306 A 20120412	TDK CORP	JP20100219641 20100929	H01M8/02; C04B35/00; H01M8/12	POWER GENERATION CELL FOR SOLID OXIDE FUEL CELL
JP2012074305 A 20120412	TDK CORP	JP20100219637 20100929	H01M8/02; H01M4/86; H01M8/12	POWER GENERATION CELL FOR SOLID OXIDE FUEL CELL
JP2012074304 A 20120412	TDK CORP	JP20100219636 20100929	H01M8/02; C04B35/50; H01M8/12	POWER GENERATION CELL FOR SOLID OXIDE FUEL CELL
JP2012038457 A 20120223	IKUTOKU GAKUEN	JP20100175239 20100804	H01M8/04; H01M8/00	POWER GENERATION CONTROL DEVICE FOR FUEL CELL, FUEL CELL POWER GENERATION SYSTEM, POWER GENERATION CONTROL METHOD FOR FUEL CELL, AND PROGRAM
CN202285263U U 20120627	Beijing Institute of Space Launch Technology;China Academy of Launch Vehicle Technology	CN20112394762U 20111017	H01M8/04	Power generation controller for fuel cell
KR20120052717 A 20120524	KOREA ENERGY RESEARCH INST [KR]	KR20100113999 20101116	G09B25/02; G09B9/00; H01M8/22	POWER GENERATION DEMONSTRATION KIT FOR FUEL CELL EDUCATION
JP2012097572 A 20120524	PANASONIC CORP [JP]	JP20100243219 20101029	F02G5/04; H01M8/00; H01M8/04	POWER GENERATION SYSTEM

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WO2012081233 A1 20120621	PANASONIC CORP [JP]; YUKIMASA AKINORI; YASUDA SHIGEKI [JP]; MORITA JUNJI	JP20100276897 20101213	F02B63/04; F01P5/06; F02B77/13; H01M8/04	POWER GENERATION SYSTEM
US2012064420 A1 20120315	SONY CORP [JP]	JP20100204377 20100913	H01M8/06; B01D53/22; F28D15/00; F28F7/00	POWER GENERATION SYSTEM
WO2012046381 A1 20120412	PANASONIC CORP [JP]; MIYAUCHI SHINJI; KATOU MOTOMICHI	JP20100224545 20101004	G01R22/00; H01L31/042; H02J3/38	POWER GENERATION SYSTEM AND METHOD FOR OPERATING POWER GENERATION SYSTEM
WO2012081220 A1 20120621	PANASONIC CORP [JP]; TATSUI HIROSHI; MORITA JUNJI; YASUDA SHIGEKI [JP]; YUKIMASA AKINORI; INOUE ATSUTAKA	JP20100276952 20101213; JP20110268916 20111208	H01M8/04	POWER GENERATION SYSTEM AND OPERATING METHOD THEREFOR
WO2012081214 A1 20120621	PANASONIC CORP [JP]; TATSUI HIROSHI; MORITA JUNJI; YASUDA SHIGEKI [JP]; YUKIMASA AKINORI; INOUE ATSUTAKA	JP20100276953 20101213	H01M8/04; F23J11/02; H01M8/00; H01M8/06	POWER GENERATION SYSTEM AND OPERATING METHOD THEREFOR

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WO2012081236 A1 20120621	PANASONIC CORP [JP]; YUKIMASA AKINORI; MORITA JUNJI; YASUDA SHIGEKI [JP]	JP20100276898 20101213	F24F7/007; F24F7/06; H01M8/00; H01M8/04	POWER GENERATION SYSTEM AND OPERATING METHOD THEREFOR
JP2012104394 A 20120531	PANASONIC CORP [JP]	JP20100252445 20101111	H01M8/04; H01M8/00; H01M8/06; H02J3/00	POWER GENERATION SYSTEM AND OPERATING METHOD THEREOF
US2012122006 A1 20120517	TOKUYAMA CORP [JP]	JP20090177642 20090730; WO2010JP62304 20100722	H01M8/04; H01M8/10	Power Generation System Using an Alkaline Fuel Cell and Fuel Gas for
JP2012009208 A 20120112	RINNAI KK; TOKYO GAS CO LTD [JP]; GASTAR CORP	JP20100142571 20100623	H01M8/06; H01M8/04; H01M8/12	POWER GENERATOR
JP2012009207 A 20120112	RINNAI KK; TOKYO GAS CO LTD [JP]; GASTAR CORP	JP20100142570 20100623	H01M8/04; H01M8/06; H01M8/12	POWER GENERATOR
JP2012009206 A 20120112	RINNAI KK; TOKYO GAS CO LTD [JP]; GASTAR CORP	JP20100142569 20100623	H01M8/04; H01M8/06; H01M8/12	POWER GENERATOR
JP2012009205 A 20120112	RINNAI KK; TOKYO GAS CO LTD [JP]; GASTAR CORP	JP20100142568 20100623	H01M8/04; H01M8/06; H01M8/12	POWER GENERATOR
JP2012016101 A 20120119	HITACHI LTD [JP]	JP20100148468 20100630	H02N11/00; H01M8/00; H01M8/04; H01M8/12	POWER GENERATOR INCLUDING THERMOELECTRIC CONVERTER WITH HEAT PIPE

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US2012009490 A1 20120112	HONEYWELL INT INC [US]	US201113240295 20110922; US20060351175 20060209; US20050698457P 20050712; US20060757823P 20060110	H01M8/06	POWER GENERATOR SHUT-OFF VALVE
EP2444271 A1 20120425	TOYOTA MOTOR CO LTD [JP]	EP20020013105 20020613; JP20010181693 20010615; JP20020025507 20020201	B60L11/18; H01M8/00; H01M8/04	Power output device with fuel cell and method therefor
RU2453015 C1 20120610	FEDERAL NOE G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOG	RU20100146164 20101113	B63B22/16; H01M8/22	POWER PLANT BASED ON FUEL ELEMENTS FOR FLOATING FACILITIES OF NAVIGA
US2012028150 A1 20120202	SEDLACEK JR WESLEY E [US]	US	H01M8/04; H01M8/24	POWER PLANT FUSE ARRANGEMENT
KR20120016121 A 20120222	UTC POWER CORP [US]	KR20117028762 20090619	H01M8/04; H01M8/24	POWER PLANT FUSE ARRANGEMENT
CN102522578 A 20120627	Southeast University	CN20111419629 20111215	H01M8/04; H02J7/00; H02J15/00	Power source for field self-power supply
CN202231106U U 20120523	Xinjiang Leon Telecom Technology Co., Ltd.	CN20112288480U 20110810	H01M8/06; H01M8/04; H01M8/10	Power supply unit of hydrogen fuel battery

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EP2408050 A1 20120118	SAMSUNG SDI CO LTD [KR]	EP20080160436 20080715; KR20070071371 20070716	H01M8/04	Power unit and cartridge, and fuel cell system comprising power unit and cartridge
KR20120032828 A 20120406	BAK JI EUN [KR]	KR20100094368 20100929	H01M12/06; G09B23/18; H01M8/02	PRACTICAL AIR-METAL BATTERY WHICH CAN BE MADE AT SCHOOL OR HOME
US2012009507 A1 20120112	VERSA POWER SYSTEMS LTD [CA]	US201113236061 20110919; US20090510432 20090728; US20050312275 20051220; US20040639131P 20041227	H01M8/12; C04B35/64	PRECONDITIONING TREATMENT TO ENHANCE REDOX TOLERANCE OF SOLID OXIDE FUEL CELLS
US2012021305 A1 20120126	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20090088191 20090331; JP20090088376 20090331; WO2010JP02378 20100331	H01M8/06; B01J20/06; B01J20/08; B01J20/10; B01J20/30; B01J21/04; B01J21/08; B01J23/755; B01J23/80; C10G29/16	PRECURSOR OF DESULFURIZING AGENT FOR HYDROCARBON AND MANUFACTURING METHOD THEREOF, CALCINED PRECURSOR OF DESULFURIZING AGENT FOR HYDROCARBON AND MANUFACTURING METHOD THEREOF, DESULFURIZING AGENT FOR HYDROCARBON AND MANUFACTURING METHOD THEREOF, HYDROCARBO
KR20120015073 A 20120221	HYUNDAI HYSCO [KR]	KR20100077312 20100811	H01M8/06; C01B3/26; G01R31/36; H01M8/04	PREDICTION METHOD OF REPLACEMENT TIME OF CATALYST IN REFORMER FOR FUEL CELL AND APPARATUS FOR THE SAME

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KR20120007660 A 20120125	LSIS CO LTD [KR]	KR20100068301 20100715	H01M8/06; B01D53/86; B01J23/38; C01B3/38	PREFERENTIAL OXIDATION REACTOR
CN102394307 A 20120328	Jingdezhen Ceramic Institute	CN20111315864 20111012	H01M8/04; H01M8/10	Preparation method for anode support layer of solid oxide fuel cell
CN102332592 A 20120125	South China University of Technology	CN20111227090 20110809	H01M8/10; H01M4/88	Preparation method for asymmetric hollow fiber type solid oxide fuel cell
CN102315463 A 20120111	Shanghai Jiao Tong University	CN20111224628 20110805	H01M8/02; H01M2/16	Preparation method for flexible inorganic/organic composite proton exchange membrane
CN102324547 A 20120118	Sichuan Tranvic Group Co., Ltd.; Institute of Metal Research Chinese Academy of Sciences	CN20111211687 20110727	H01M8/18	Preparation method of all-vanadium redox flow battery electrolyte
CN102304234 A 20120104	South China University of Technology	CN20111198650 20110715	C08J9/42; C08J9/40; C08L27/18; H01M2/16; H01M8/02	Preparation method of compact and composite proton exchange membrane
CN102315454 A 20120111	Greentech Advanced Materials Co., Ltd.	CN20111221941 20110802	H01M4/66; H01M8/18	Preparation method of composite current collector and application of composite current collector in lithium ion flow battery
CN102354763 A 20120215	Shanghai Institute of Space Power-Sources	CN20111345241 20111104	H01M8/20	Preparation method of ion vanadium redox battery electrolyte
CN102496732 A 20120613	Hubei University	CN20111430199 20111220	H01M8/10; C08F212/14; C08F259/08; C08J5/22; C08L51/00	Preparation method of polyvinylidene fluoride grafted p-styrenesulfonic acid proton exchange membrane

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CN102477162 A 20120530	BYD Co., Ltd.	CN20101558782 20101125	C08J5/22; C08G73/10; C08L27/18; C08L29/10; C08L79/08; H01M2/16; H01M8/10	Preparation method of proton exchange membrane and polyimide perfluorosulfonic acid resin proton exchange membrane obtained thereby
CN102321266 A 20120118	Shanghai University	CN20111195250 20110713	C08J7/18; C08J7/14; C08L23/08; C08L27/18; H01M2/16; H01M8/02	Preparation method of proton exchange membrane for fuel batteries
CN102412408 A 20120411	UNIV XI AN JIAOTONG	CN20111276457 20110916	H01M8/10	Preparation method of SOFC electrolyte surface micro-convex structure and product thereof
CN102443183 A 20120509	Shandong University of Technology	CN20111025204 20110124	C08J5/22; B01J31/06; C08K5/5357; C08L79/04; H01M2/16; H01M8/02	Preparation method of sulfonated cerium phenylphosphinate doped polybenzimidazole high-temperature proton exchange membrane
CN102504310 A 20120620	Southwest University of Science and Technology (SWUST)	CN20111318617 20111019	C08G73/10; C08J5/22; C08J7/12; C08L5/08; C08L79/08; H01M2/16; H01M8/02	Preparation method of sulfonated polyimide/chitosan composite proton conducting film
CN102460812 A 20120516	DEEYA ENERGY INC [US]	WO2010US36767 20100528; US20090182073P 20090528	H01M8/18; H01M8/02	Preparation of flow cell battery electrolytes from raw materials
KR20120007153 A 20120120	IAC IN NAT UNIV CHUNGNAM [KR]	KR20100067743 20100714	B01D71/00; C08J5/22;	PREPARATION OF ORGANIC-INORGANIC HYBRID ION-EXCHANGE MEMBRANE

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			H01M4/94; H01M8/02	
KR20120057432 A 20120605		KR20100119155 20101126	B01J23/89; B01J37/02; H01M4/92; H01M8/02	Preparing method of Alloy Catalyst using Conductive polymer coating
KR20120028457 A 20120323	KOREA IND TECH INST [KR]	KR20100090300 20100915	H01M4/90; B01J21/18; B01J27/24; H01M8/10	PREPARING METHOD OF CATHODE CATALYST COMPRISING CARBON NITRIDE AND CONDUCTIVE CARBON SUPPORT FOR PEMFC, CATHODE CATALYST FOR PEMFC, ELECTRODE FOR PEMFC AND PEMFC
KR20120061484 A 20120613		KR20100122816 20101203	H01M4/86; H01M8/10	Preparing method of Hydrophobic polymer-Carbon support composites fo
JP2012017850 A 20120126	HONDA MOTOR CO LTD [JP]	US20050679032P 20050509	F17C5/06; B60K8/00; B60K15/03; F28D15/02	PRESSURE POWERED COOLING SYSTEM FOR ENHANCING REFUELING SPEED AND CAPACITY OF ON BOARD HIGH PRESSURE VEHICLE GAS STORAGE TANK
WO2012017667 A1 20120209	KAWASAKI HEAVY IND LTD [JP]; NOMICHI KAORU; SUZUKI YUTAKA; NINOMIYA MAKOTO; MURAKAMI SHOJI	JP20110063087 20110322; JP20100177868 20100806	F16K31/06; F02M21/02; G05D16/20	PRESSURE-REGULATING VALVE FOR GAS
CN102347498 A 20120208	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	CN20101242388 20100729	H01M8/04	Pressurizer for fuel cell and method thereof
EP2413674 A2 20120201	NITTO DENKO CORP [JP]	JP20100172617 20100730	H05K1/03; C08J5/18; C08L27/12; H01B3/44; H01M8/10	Printed circuit board and method of manufacturing the same

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FR2967925 A1 20120601	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20100059945 20101130	B05D5/12; B01D69/12; H01M8/10	PROCEDE DE PREPARATION DE PARTICULES INORGANIKUES CONDUCTRICES DE PR
FR2969393 A1 20120622	HELION [FR]	FR20100060542 20101215	H01M8/04	PROCEDE D'INERTAGE D'UNE PILE A COMBUSTIBLE COMBUSTIBLE
ES2377366T T3 20120326	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20080001846 20080403; WO2009FR00377 20090331	H01M8/04	Procedimiento de almacenamiento de una pila de combustible a temperatura negativa
ES2375102T T3 20120224	TOPSOE HALDOR AS [DK]	US19990143953P 19990715	C01B3/38; C10G11/10; H01M8/06	PROCEDIMIENTO PARA EL REFORMADO CON VAPOR CATALITICO DE UN MATERIAL DE ALIMENTACION HIDROCARBONADO.
EP2450994 A1 20120509	INST OF NUCLEAR ENERGY RES ATOMIC ENERGY COUNCIL [TW]	TW20100138558 20101109	H01M8/06; H01M8/12; H01M8/24	Process and apparatus of CO2 energy source adopted in solid oxide fu
US2012064434 A1 20120315	GM GLOBAL TECH OPERATIONS INC [US]	US20100882653 20100915	H01M8/10; B05D5/12; H01M4/86; H01M4/88	PROCESS AND MATERIALS FOR MANUFACTURING AN ELECTRODE WITH REDUCED MUD CRACKING
US2012156585 A1 20120621	MODAWAR FARIS [US]; MILLER JEFF [US]; JURA MIKE [US]; MURPHY BRIAN	US201113373484 20111114; US20100413252P 20101112	H01M4/92; C03C25/68; H01L31/0264; H01L31/18; H01M4/38; H01M4/86	Process for forming silver films on silicon
RO127065 A2 20120130	UNIV POLITEHNICA DIN BUCURESTI [RO]	RO20100000618 20100715	H01M8/02	PROCESS FOR MODIFYING THE SURFACE OF TITANIUM WITH POLYMERIC FILMS OF CONTROLLED HUMECTABILITY

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TW201218496 A 20120501	TOPSOE FUEL CELL AS [DK]; UNIV DENMARK TECH DTU [DK]	EP	H01M8/04	Process for operating a high temperature fuel cell stack
KR20120005183 A 20120116	HANKOOK TIRE CO LTD [KR]	KR20100065794 20100708	H01M8/02; B29C43/00; B29C45/00; H01M2/16	PROCESS FOR PREPARING A FUEL CELL SEPARATOR AND A FUAL CELL CONTAINING THE SEPARATOR
WO2012042155 A2 20120405	TOTAL SA [FR]; ROBLES MACIAS LUIS ANGEL [FR]	FR20100057872 20100929	C12P7/06; C01B3/26; C01B3/30; C12P7/00; C12P7/02; C12P7/08; C12P7/16; C12P7/40; C12P7/52; C12P7/54; H01M8/06	PROCESS FOR PRODUCING AN OXYGEN- CONTAINING COMPOUND
JP4913265B2 B2 20120411		JP20090167635 20090716; WO2010JP61866 20100714; JP20110522824 20100714	H01M4/88; H01M4/90	PROCESS FOR PRODUCING FUEL CELL CATALYST, FUEL CELL CATALYST OBTAINED BY PRODUCTION PROCESS, AND USES THEREOF
CN102361816 A 20120222	K.M.W.E. Management B.V	WO2010NL50095 20100225; EP20090153660 20090225	C01B3/12; B01J25/00; B01J35/00; B01J37/02; C01B3/22; C01B3/58; H01M8/06	Process for producing hydrogen from methanol

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EP2463866 A2 20120613	TORAY INDUSTRIES [JP]	EP20060713623 20060214; JP20050037272 20050215; JP20050220173 200507	C08G65/40; C08J5/22; H01B1/06; H01B1/12; H01B13/00; H01M8/02; H01M8/10	Process for producing polymer electrolyte molded product, polymer el
US2012003564 A1 20120105	TORAY INDUSTRIES [JP]	JP20090008552 20090119; JP20090010638 20090121; JP20090168542 20090717; WO2010JP50403 20100115	H01M8/10; B05D5/12	PROCESS FOR PRODUCING POLYMERIC ELECTROLYTE MEMBRANE
JP4947243B2 B2 20120606		JP20100058911 20100316; WO2011JP51923 20110131; JP20110532418 201101	H01M4/90; B01J27/24; H01M8/10	PROCESS FOR PRODUCTION OF CATHODE CATALYST LAYER FOR FUEL CELL, CATHODE CATALYST LAYER, AND MEMBRANE ELECTRODE ASSEMBLY FOR SOLID POLYMER FUEL CELL
CN102471167 A 20120523	Nippon Shokubai Co., Ltd.	WO2010JP68701 20101022; JP20090244876 20091023	C04B35/48; H01M8/02; H01M8/12	Process for production of scandia-stabilized zirconia sheet, scandia-stabilized zirconia sheet obtained by the process, and scandia-stabilised zirconia sintered powder
US2012141915 A1 20120607	COUNCIL SCIENT IND RES [IN]	US20070940203 20071114	H01M8/10; C08J5/22	Process for the Preparation of Sol-Gel Modified Alternative Nafion-S
US2012156576 A1 20120621	JIMENEZ DOMINGUEZ MARIA DE LOS ANGELES [ES]; JIMENEZ VEGA MARIA DEL	ES20100031899 20101221	C01B3/04; B01J38/48; H01M8/06	PROCESS FOR THE PRODUCTION OF HYDROGEN BY CATALYZED HYDROLYSIS OF A

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WO2012041859 A2 20120405	BASF SE [DE]; GARSUCH ARND [DE]; PANCHENKO ALEXANDER [DE]; BRAEUNINGER SIGMAR [DE]; SCHEIDEL JENS [DE]; THOME ALFRED [DE]	US20100388019P 20100930; EP20100184335 20100930	C01B21/14	PROCESS FOR WORKING UP AN EXHAUST GAS FROM A SYSTEM FOR PRODUCING HYDROXYLAMINE OR HYDROXYLAMMONIUM SALTS
CN102324545 A 20120118	Peking University Shenzhen Graduate School	CN20111271554 20110914	H01M8/16	Process method of biochemical degradation of bagasse and synchronous electric energy generation
US2012052407 A1 20120301	DU PONT [US]	US201113291748 20111108; US20050038897 20050118; US20040537534P 20040120	H01M8/04; H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M8/00; H01M8/06; H01M8/10	PROCESSES FOR PREPARING STABLE PROTON EXCHANGE MEMBRANES AND CATALYST FOR USE THEREIN
ES2373398T T3 20120203	ITM POWER RESEARCH LTD [GB]	GB20040013515 20040616; WO2005GB02376 20050616	H01M8/10; H01M8/02; H01M14/00	PRODUCCION DE CONJUNTOS DE MEMBRANA-ELECTRODOS Y APILAMIENTOS DE LOS MISMOS.
CN102344578 A 20120208	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20111266826 20110909	C08J5/22; H01M2/16; H01M8/02	Production method of ionic membrane

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JP2012505961 A 20120308		AU20080905337 20081015; WO2009AU01355 20091015	C25B1/30; C02F1/461; C02F3/34; C12M1/00; C12M1/12; C12P3/00; C25B9/00; C25B15/08; H01M8/04; H01M8/06; H01M8/10; H01M8/16	PRODUCTION OF HYDROGEN PEROXIDE
US2012094214 A1 20120419	UNIV TOULOUSE 3 PAUL SABATIER [FR]; ELECTRICITE DE FRANCE [FR]	FR20090054168 20090619; WO2010FR51204 20100616	C04B35/48; B01D69/00; B01D71/02; B32B5/00; C04B35/46; C25B13/00; G01N27/28; H01M8/10; H01M8/12	PRODUCTION OF SELF-SUPPORTING CERAMIC MATERIALS HAVING A REDUCED THICKNESS AND CONTAINING METAL OXIDES
US2012115056 A1 20120510	MEIER FRANK [DE]	DE201010043618 20101109	H01M8/04; F16K31/02	PROPORTIONAL VALVE FOR CONTROL AND INTAKE OF A GASEOUS MEDIUM
US2012115060 A1 20120510	STIER HUBERT [DE]; WILL CHRISTIAN [DE]; ILGNER FRANK [DE]	DE201010043619 20101109; DE201110079045 20110713	H01M8/04; F16K27/00	PROPORTIONAL VALVE HAVING AN IMPROVED SEALING SEAT
JP2012102874 A 20120531	BOSCH GMBH ROBERT [DE]	DE201010043621 20101109	F16K1/36; F16K1/34; F16K1/42; F16K31/06; H01M8/04	PROPORTIONAL VALVE HAVING IMPROVED SEAL SEAT

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WO2012039699 A1 20120329	UTC POWER CORP; MARZULLO JESSE M [US]; STOLAR LAURA ROEN [US]	US	H01M8/04; B01D71/00; H01M2/10; H01M8/10	PROTECTIVE EDGE SEAL FOR MEMBRANE ION EXCHANGE
WO2012002290 A1 20120105	UNIV TOHOKU [JP]; NAT INST OF ADVANCED IND SCIEN [JP]; NISHIZAWA MATSUHIKO [JP]; MIYAKE TAKEO [JP]; YOSHINO SYUHEI [JP]; YAMADA TAKEO [JP]; HATA KENJI [JP]	JP20100227013 20101006; JP20100148068 20100629	C01B31/02; G01N27/30; G01N27/327; H01M4/96; H01M8/16	PROTEIN-ENCLOSED CARBON NANOTUBE FILM, AND SENSOR AND POWER-GENERATING DEVICE EACH EQUIPPED WITH THE CARBON NANOTUBE FILM AS ELECTRODE
EP2426200 A1 20120307	IKEDA FOOD RES CO LTD [JP]	WO2010JP57699 20100430; JP20090111428 20090430	C12N15/09; C07K14/38; C12N1/15; C12N1/19; C12N1/21; C12N5/10; C12N9/04; C12P21/02; C12Q1/00; G01N27/327; H01M8/16	PROTEIN-TYPE ELECTRON MEDIATOR

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US2012029098 A1 20120202	3M INNOVATIVE PROPERTIES CO [US]	US201113269907 20111010; US20090429371 20090424; US20080047643P 20080424	C08J5/20; C07F9/22; C08F228/02	PROTON CONDUCTING MATERIALS
EP2437338 A1 20120404	NITTO DENKO CORP [JP]	WO2010JP03453 20100521; JP20090127178 20090527	H01M8/02; H01B1/06; H01M8/10	PROTON CONDUCTING POLYMER ELECTROLYTE MEMBRANE, MEMBRANE-ELECTRODE A
US2012141917 A1 20120607	UNIV LELAND STANFORD JUNIOR [US]; SAMSUNG ELECTRONICS CO LTD [KR]	US201113167828 20110624; US20100420424P 20101207	H01M8/12; C23F1/00	PROTON CONDUCTING SOLID OXIDE ELECTROLYTE MEMBRANE, MEA AND FUEL CEL
JP2012064342 A 20120329	DAINIPPON PRINTING CO LTD [JP]	JP20100205567 20100914	H01M8/02; C01B25/30; H01B1/06	PROTON CONDUCTIVE ELECTROLYTE MEMBRANE, AND CATALYST LAYER-ELECTROLYTE MEMBRANE STACK, MEMBRANE-ELECTRODE JUNCTION BODY AND FUEL CELL USING THE MEMBRANE, AND MANUFACTURING METHOD OF THE SAME
JP4957248B2 B2 20120620		JP20040330199 20041115; WO2005JP20838 20051114; JP20060545007 200511	H01M8/02; H01B1/06; H01B13/00; H01M8/10	PROTON CONDUCTIVE ELECTROLYTE MEMBRANE, METHOD FOR PRODUCING PROTON CONDUCTIVE ELECTROLYTE MEMBRANE AND SOLID POLYMER FUEL CELL

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JP4874387B2 B2 20120215		JP20070053104 20070302; WO2008JP53674 20080229; JP20090502563 20080229	H01M8/02; C08F220/38; C08F230/08; C08G77/28; H01B1/06; H01M8/10	PROTON CONDUCTIVE FILM, MEMBRANE-ELECTRODE ASSEMBLY, AND SOLID POLYMER ELECTROLYTE FUEL CELL
JP2012023047 A 20120202	SONY CORP [JP]	JP20110192956 20110905	H01M8/02; C08G77/52; H01B1/06; H01B13/00; H01M8/10	PROTON CONDUCTIVE FILM, METHOD FOR PRODUCING THE SAME, AND FUEL CELL
KR20120023502 A 20120313	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100077817 20100812	H01M8/12; C04B35/01; H01B1/08; H01M8/02	PROTON CONDUCTIVE INORGANIC THIN FILM, MANUFACTURING METHOD THEREOF, AND FUEL CELL EMPLOYING THE SAME
EP2418722 A1 20120215	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100077817 20100812; KR20110026460 20110324	H01M8/10; C23C14/08; H01B1/08	Proton conductive inorganic thin film, method of forming the same, and fuel cell including the proton conductive inorganic thin film
JP2012004084 A 20120105	NORITAKE CO LTD	JP20100141053 20100621	H01M4/86; C01B25/37; H01B1/06; H01B13/00; H01M8/02; H01M8/10	PROTON CONDUCTIVE MATERIAL FOR SOLID POLYMER FUEL CELL, AND ITS PROTON CONDUCTIVE MATERIAL MANUFACTURING METHOD
JP2012059657 A 20120322	NITTO DENKO CORP [JP]	JP20100204004 20100913	H01M8/02; C08F259/08; H01B1/06; H01M8/10	PROTON CONDUCTIVE POLYMER ELECTROLYTE MEMBRANE AND MEMBRANE ELECTRODE ASSEMBLY USING THE SAME, AND POLYMER ELECTROLYTE FUEL CELL

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JP2012041474 A 20120301	NAT UNIV YOKOHAMA [JP]	JP20100185164 20100820	C08L101/02; C08L1/02; C08L35/00; H01B1/06; H01M8/02; H01M8/10	PROTON CONDUCTOR
WO2012011552 A1 20120126	NAT UNIVERSITY CORP TOYOHASHI UNIVERSITY OF TECHNOLOGY [JP]; OH SONG-YUL [JP]; YOSHIDA TOSHIHIRO [JP]; KAWAMURA GO [JP]; MATSUDA ATSUNORI [JP]; MUTO HIROYUKI [JP]; UCHIHORI DAISUKE [JP]	JP20100165497 20100723	H01M8/02; H01B1/06; H01B13/00	PROTON CONDUCTOR AND METHOD FOR PRODUCING PROTON CONDUCTOR
CN202150515U U 20120222	SHENZHEN HYDROGEN POWER TECHNOLOGY CO LTD	CN20112247408U 20110713	H01M8/10	Proton exchange film for fuel cell of 350 DEG C

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WO2012045335 A1 20120412	UNIV TWENTE [NL]; CIDETEC CT DE TECNOLOGIAS ELECTROQUIMICAS [ES]; UNIV ZARAGOZA [ES]; BORNEMAN ZANDRIE [NL]; VAN DE VEN ERIK [NL]; BLAZQUEZ MARTIN JOSE ALBERTO [ES]; MIGUEL CRESPO OSCAR [ES]; GARRIDO IBAIBARRIAGA OIHANE [ES]; PINA IRITIA MARIA PILAR [ES]	EP	H01M8/10	PROTON EXCHANGE MEMBRANE
CN202159743U U 20120307	SHENZHEN HYDROGEN POWER TECHNOLOGY CO LTD	CN20112260407U 20110721	H01M8/02; H01M2/16	Proton exchange membrane for fuel cell
AU2010264092 A1 20120209	VAAL UNIVERSITY OF TECHNOLOGY; UNIV THE WITWATERSRAND JOHANNESBURG	ZA20090004368 20090623; WO2010IB52823 20100622	H01M8/10	Proton exchange membrane fuel cell
DE102011114717 A1 20120426	DAIMLER AG [DE]	DE201110114717 20111001	H01M8/04	Proton exchange membrane fuel cell for use in fuel cell system for providing electrical driving power to vehicle, has venturi nozzle connected with interior of housing, which is sealed against environment

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CN102386430 A 20120321	Wuhan University of Technology	CN20111349637 20111108	H01M8/10; H01M8/04	Proton exchange membrane fuel cell system with low- temperature storage and starting functions
CN102432903 A 20120502	CHANGCHUN APPLIED CHEMISTRY, Chinese Academy of Sciences	CN20111376295 20111123	C08J7/12; H01M8/02	Proton exchanging composite film and preparation method thereof
JP2012082276 A 20120426	TOPPAN PRINTING CO LTD [JP]	JP20100228171 20101008	C08F16/30; C08F20/38; H01B1/06; H01M8/02; H01M8/10	PROTON TRANSPORTING MATERIAL AND POLYMER MEMBRANE COMPRISING THE SAME
JP2012046754 A 20120308	BASF FUEL CELL RES GMBH [DE]	EP20030017027 20030727	C08G81/00; C08G73/06; C08J5/18; H01B1/06; H01M4/86; H01M8/02; H01M8/10	PROTON-CONDUCTING MEMBRANE AND USE THEREOF
KR20120009789 A 20120202	DONGJIN SEMICHEM CO LTD [KR]	KR20100070476 20100721	C08G61/12; C08J5/22; H01B1/06; H01M8/10	Proton-conducting polymer, polymer electrolyte membrane comprising polymer, cation-exchange resin comprising polymer, cation-exchange membrane comprising polymer, method for preparing polymer

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US2012058416 A1 20120308	KIYOSHI KANAMURA; NISSAN MOTOR [JP]	US201113292679 20111109; JP20040305631 20041020; JP20050050269 20050225; US20080081551 20080417; US20050252542 20051019	H01M8/10	PROTON-CONDUCTIVE COMPOSITE ELECTROLYTE MEMBRANE AND PRODUCING METHOD THEREOF
JP4957544B2 B2 20120620		JP20050019678 20050127; WO2005JP23223 20051219; JP20070500436 200512	H01M8/02; H01B1/06; H01B13/00; H01M8/10	PROTON-CONDUCTIVE ELECTROLYTE FILM, PROCESS FOR PRODUCING THE SAME, AND SOLID POLYMER TYPE FUEL CELL EMPLOYING THE PROTON-CONDUCTIVE ELECTROLYTE FILM
WO2012066773 A1 20120524	NITTO DENKO CORP [JP]; JAPAN ATOMIC ENERGY AGENCY [JP]; EMORI HIDEYU	JP20100255907 20101116	H01B13/00; C08F259/08; C08J5/22; H01B1/06; H01M8/02; H01M8/10	PROTON-CONDUCTIVE POLYMER ELECTROLYTE FILM HAVING EXCELLENT OXIDATIO
AT547457T T 20120315	BASF FUEL CELL RES GMBH [DE]	DE20031061932 20031230; WO2004EP14829 20041230	C08J7/00; B01D67/00; B01D71/62; C08G73/00; C08G73/18; C08J5/00; C08J5/22; C08J7/16; H01M8/00; H01M8/10	PROTONENLEITENDE MEMBRAN UND DEREN VERWENDUNG

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AT551384T T 20120415	HELMHOLTZ ZENTRUM GEESTHACHT ZENTRUM FUER MATERIAL UND KUESTENFORSCHUNG GMBH [DE]; NAT AUTONOMOUS UNIVERSITY OF MEXICO UNIVERSIDAD NAC AUTONOMA DE MEXICO UNAM [MX]	DE200610001770 20060112; WO2007EP00166 20070110	C08J5/22; H01M8/02; H01M8/10	PROTONENLEITENDE POLYMERMEMBRAN
JP2012512770 A 20120607		US20090536766 20090806; US20080340038 20081219; WO2009US06633 200912	A61L31/00; B01D39/08; B01D39/16; B01D69/10; B01D71/36; B32B27/00; B32B27/12; B32B27/30; D03D15/00; D04H1/4318; H01M2/16; H01M8/02; H01M8/10	PTFE FABRIC ARTICLES AND METHODS OF MAKING SAME
JP2012038543 A 20120223	HITACHI MAXELL ENERGY LTD; TANAKA PRECIOUS METAL IND	JP20100177113 20100806	H01M4/92; H01M4/88; H01M8/10	PtRu-GROUP ALLOY CATALYST FOR FUEL CELLS, MANUFACTURING METHOD THEREOF, MEMBRANE ELECTRODE ASSEMBLY FOR FUEL CELLS, AND FUEL CELL

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WO2012058687 A2 20120503	ARDICA TECHNOLOGIES [US]; BRAITHWAITE DANIEL [US]; FABIAN TIBOR [US]	US20100408462P 20101029	H01M8/04	PUMP ASSEMBLY FOR A FUEL CELL SYSTEM
WO2012022549 A1 20120223	PIERBURG GMBH [DE]; NIGRIN SVEN [DE]; BURGER ANDREAS [DE]; BENRA MICHAEL-THOMAS [DE]; GLOGASA MARTIN [DE]; RECHBERG PETER- MARTIN [DE]; GOMMERS HANS-GEORG [DE]	DE201010035039 20100820	F04D13/06; F04D29/58; H01M8/04	PUMP WITH AN ELECTRIC MOTOR AND METHOD FOR SWITCHING ON A PUMP OF THIS TYPE
JP4901864B2 B2 20120321		JP20060166114 20060615; WO2007JP62546 20070615; JP20080521292 20070615	H01M8/02; C23C24/04; H01M8/10	PURE TITANIUM OR TITANIUM ALLOY SEPARATOR FOR SOLID POLYMER FUEL CELL AND METHOD FOR PRODUCING THE SAME
US2012123620 A1 20120517	HYUNDAI MOTOR CO LTD [KR]	KR20100114511 20101117	B60L15/00; B60L11/18; H01M8/04	PURGING DEVICE AND METHOD FOR IMPROVING COLD-STARTABILITY OF FUEL CE
AT510250 A1 20120215	CELLSTROM GMBH [AT]	AT20100001228 20100721	H01M8/02; H01M8/18; H01M8/24	RAHMEN EINER ZELLE EINER REDOX- DURCHFLUSSBATTERIE
AT510723 A4 20120615	CELLSTROM GMBH [AT]	AT20100002106 20101221	H01M8/02; H01M8/18; H01M8/24	RAHMEN EINER ZELLE EINER REDOX- DURCHFLUSSBATTERIE

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DK1766708T T3 20120123	BATTELLE MEMORIAL INSTITUTE [US]	US	H01M8/02; H01M8/12; H01M8/24	Ramme til fastoxid-brændselscelle og fremstillingsmetode
US2012028142 A1 20120202	BATTELLE MEMORIAL INSTITUTE [US]	US201113243371 20110923; US20100816280 20100615; US20050551516 20050928; WO2004US15402 20040517; US20030471130P 20030516; US20030471286P 20030516; US20040546107P 20040218	H01M8/06; B01F5/06; B01F13/00; B01F15/06; B01J8/04; B01J19/00; B01J19/24; C01B3/38; C10J3/00; C10J3/46; F28F3/08; H01M8/04	RAPID START FUEL REFORMING SYSTEMS AND TECHNIQUES
CN102332591 A 20120125	South China University of Technology	CN20111257660 20110902	H01M8/04	Reaction gas humidifier for proton exchange membrane fuel cell
CN202231104U U 20120523	South China University of Technology	CN20112326956U 20110902	H01M8/04	Reaction gas humidifier for proton exchange membrane fuel cell
CN102484255 A 20120530	Equos Research KK	WO2010JP61067 20100629; JP20090153546 20090629; JP20100074064 201003	H01M4/86; H01M8/02; H01M8/04; H01M8/06; H01M8/10	Reaction layer for fuel cell
KR20120015024 A 20120221	OSUN TECH CO LTD [KR]	KR20100077215 20100811	C01B3/38; H01M8/06	REACTION UNIT FOR REFORMER

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AT550803T T 20120415	NGK INSULATORS LTD [JP]	JP20090017013 20090128; JP20090240584 20091019	H01M8/12; H01M8/02	REAKTOR UND HERSTELLUNGSVERFAHREN DAFÜR
WO2012066428 A1 20120524	EMPIRE TECHNOLOGY DEV LLC [US]; AROCKIADOSS THEVASAHAYAM [IN]	IN2010CH03484 20101119	H01M4/02; H01M8/10; H01M10/02; H02J7/35	RECHARGEABLE BATTERY
AU2010295409 A1 20120322	FLUIDIC INC [US]	US20090243970P 20090918; WO2010US49361 20100917	H01M8/04; H01M8/18; H01M8/24; H01M12/08	Rechargeable electrochemical cell system with a charging electrode charge/discharge mode switching in the cells
US2012140378 A1 20120607	IMRA AMERICA INC [US]	US20100960002 20101203	H01G9/008; H01M8/10; H01M10/05; H01M12/00	RECHARGEABLE ELECTROCHEMICAL ENERGY STORAGE DEVICE
JP2012119127 A 20120621	KONICA MINOLTA HOLDINGS INC [JP]	JP20100266635 20101130	H01M8/00; H01M8/04; H01M8/06; H01M8/12	RECHARGEABLE FUEL CELL SYSTEM
AU2010303211 A1 20120426	FLUIDIC INC [US]	US20090249917P 20091008; WO2010US52099 20101008	H01M12/08; H01M2/38; H01M8/02; H01M8/04; H01M8/18; H01M8/20; H01M8/24; H01M10/42; H01M12/06	Rechargeable metal-air cell with flow management system

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WO2012044319 A1 20120405	YAGER THOMAS A [US]; EMPIRE TECHNOLOGY DEV LLC [US]	US	H01M4/00; H01M8/00; H01M10/00	RECHARGEABLE ZINC AIR BATTERY AND ANODE
KR20120049969 A 20120518	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100111233 20101110	H01M8/04; G05D7/00	RECIRCULATION STRUCTURE OF HYDROGEN FOR FUEL CELL USING MULTISTAGE E
WO2012047320 A1 20120412	BATTELLE MEMORIAL INSTITUTE [US]; LI LIYU [US]; KIM SOOWHAN [US]; YANG ZHENGUO [US]; WANG WEI [US]; ZHANG JIANLU [US]; CHEN BAOWEI [US]; NIE ZIMIN [US]; XIA GUANGUANG [US]	US20100892693 20100928	H01M8/18; H01M8/02	REDOX FLOW BATTERIES BASED ON SUPPORTING SOLUTIONS CONTAINING CHLORIDE
US2012107661 A1 20120503	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100108797 20101103	H01M8/18; H01M8/20	REDOX FLOW BATTERY
JP2012015128 A 20120119	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20110230738 20111020	H01M8/18	REDOX FLOW BATTERY

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JP2012009448 A 20120112	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100056441 20100312; JP20100056442 20100312; JP20100056443 20100312; JP20110192926 20110905	H01M8/18; H01M4/90; H01M4/96; H01M8/02	REDOX FLOW BATTERY
JP2012079679 A 20120419	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100056443 20100312; JP20100203449 20100910; JP20110049693 20110307	H01M8/18; H01M4/90; H01M4/96	REDOX FLOW BATTERY
JP2012079678 A 20120419	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100056442 20100312; JP20100203448 20100910; JP20110049692 20110307	H01M8/18; H01M4/90; H01M4/96; H01M8/10	REDOX FLOW BATTERY
JP2012099416 A 20120524	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100247909 20101104	H01M8/18; H01M8/02; H01M8/04; H01M8/24	REDOX FLOW BATTERY
KR20120056894 A 20120604	SUMITOMO ELECTRIC INDUSTRIES [JP]	JP20100102747 20100427; JP20100102748 20100427; JP20100102749 201004	H01M8/18; H01M8/02	REDOX FLOW BATTERY

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JP2012502445 A 20120126		CN20091210176 20091029; WO2009CN01434 20091214	H01M8/04; H01M8/20	REDOX FLOW BATTERY AND METHOD FOR CONTINUALLY OPERATING THE REDOX FLOW BATTERY FOR A LONG TIME
WO2012020277 A1 20120216	KAMPANATSANYAKORN KRISADA [TH]; HOLASUT SURADIT [TH]	IB	H01M8/20	REDOX FLOW BATTERY SYSTEM EMPLOYING DIFFERENT CHARGE AND DISCHARGE CELLS
CN102403519 A 20120404	CHINA ELECTRIC POWER RES INST	CN20111238837 20110819	H01M8/04; H01M8/24	Redox flow cell integrated system
EP2436079 A2 20120404	DEEYA ENERGY INC [US]	WO2010US36764 20100528; US20090182099P 20090528; US20090182076P 20090528	H01M8/18; H01M8/04	REDOX FLOW CELL REBALANCING
CN102306814 A 20120104	DONGFANG ELECTRIC CORP	CN20111236594 20110817	H01M8/04; H01M8/18	Redox flow cell system and control method and device thereof
CN102354761 A 20120215	DONGFANG ELECTRIC CORP	CN20111304909 20111010	H01M8/04; H01M8/18; H01M8/20	Redox flow cell system and shutdown protection method as well as device thereof
GB2486719 A 20120627	ACAL ENERGY LTD [GB]	GB20100021904 20101223	H01M8/18	Redox Fuel Cell
US2012034535 A1 20120209	CLEAREGE POWER INC [US]	US201113276947 20111019; US20090497417 20090702	H01M8/04	REDUCING LOSS OF LIQUID ELECTROLYTE FROM A HIGH TEMPERATURE POLYMER-ELECTROLYTE MEMBRANE FUEL CELL

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KR20120016090 A 20120222	HOCHSCHULE FUR ANGEWANDTE WISSENSCHAFT UND KUNST FACHHOCHSCHULE HILDESHEIM [DE]; UNIV CLAUSTHAL TECH [DE]	DE200910002320 20090409	H01M4/66; H01G9/04; H01M4/04; H01M8/02	REDUCTION OF THE ELECTRICAL CONTACT RESISTANCE OF A SURFACE OF A METAL BODY
JP2012513096 A 20120607		US20080203185P 20081219; WO2009US68507 20091217	H01M4/88; H01M4/86	Reduction-Oxidation-Tolerant Electrodes for Solid Oxide Fuel Cells
WO2012031719 A1 20120315	ARYS GMBH [CH]; KUHS BERND [CH]	CH20100001435 20100906	H01M8/18; H01M12/08; H01M14/00; H02N11/00	REFILLABLE RECHARGEABLE BATTERY
KR20120034943 A 20120413	TS CONNECT & AMP DEV CO LTD [KR]	KR20100096341 20101004	H01M8/06; H01M8/12	REFOAMING APPARATUS INTEGRATED WITH A HUMIDIFIER AND A HEAT EXCHANGER, AND REFOAMING METHOD THEREOF
WO2012030350 A1 20120308	AZUR ANERGY LLC [US]; HERRIG DANIEL R [US]	US	H01M8/06; C01B3/32; C01B3/50; G05D7/00; H01M8/10	REFORMATION AND HYDROGEN PURIFICATION SYSTEM
AT546220T T 20120315	HONDA MOTOR CO LTD [JP]	JP20080229688 20080908; WO2009JP64474 20090812	B01J8/04; B01J8/00; B01J19/24; C01B3/34; C01B3/38; H01M8/06	REFORMER

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KR20120047545 A 20120514	SAMSUNG SDI CO LTD [KR]	KR20100109173 20101104	H01M8/06; B01J21/04; B01J23/40; C01B3/38	REFORMER
JP2012101969 A 20120531	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100250926 20101109	C01B3/38; H01M8/06	REFORMER AND FUEL CELL POWER GENERATION SYSTEM
JP2012020888 A 20120202	HONDA MOTOR CO LTD [JP]	JP20100158005 20100712	C01B3/40; B01J23/89; B01J37/02	REFORMER AND METHOD FOR MANUFACTURING THE SAME
US2012020851 A1 20120126	MEGGITT UK LTD [GB]	US201113169820 20110627; AU2002PR09817 20020104; US20070818916 20070616; US20050500176 20050110; WO2003AU00022 20030103	B01J8/00; B01J19/00; B01J8/02; B01J19/24; C01B3/38; C01B3/48; H01M8/06; H01M8/10	Reformer Apparatus and Method
WO2012081791 A1 20120621	HYOSUNG CORP [KR]; YANG SI-WON [KR]	KR20100129420 20101216	H01M8/06; H01M8/04	REFORMER BURNER FOR FUEL CELL
KR20120014006 A 20120215	ENEOS CELLTECH CO LTD [JP]	WO2010JP01569 20100305; JP20090110058 20090428	H01M8/06; C01B3/38; C01B3/48; H01M8/10	REFORMER FOR FUEL CELL
EP2426770 A1 20120307	ENEOS CELLTECH CO LTD [JP]	WO2010JP01570 20100305; JP20090110059 20090428	H01M8/06; C01B3/38; H01M8/04; H01M8/10	REFORMER FOR FUEL CELL

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KR20120061602 A 20120613		KR20100122957 20101203	C01B3/38; H01M8/06	REFORMING APPARATUS
CN102468499 A 20120523	ENN Research and Development Co., Ltd.	CN20101535558 20101104	H01M8/04	Regeneration method for waste liquor of all-vanadium flow battery
CN102427144 A 20120425	UNIV SHANGHAI JIAOTONG	CN20111388410 20111129	H01M8/18; H01M8/02; H01M8/04	Regenerative fuel cell apparatus and system thereof
WO2012038379 A1 20120329	IMP INNOVATIONS LTD [GB]; BRANDON NIGEL [GB]; KUCERNAK ANTHONY [GB]; YUFIT VLADIMIR [GB]	GB20100015859 20100921	H01M8/18	REGENERATIVE FUEL CELLS
US2012107713 A1 20120503	GM GLOBAL TECH OPERATIONS INC [US]	US20100938847 20101103	H01M8/04; H01M8/24	REINFORCED FUEL CELL METAL PLATE PERIMETER
JP2012506612 A 20120315		KR20080106712 20081029; WO2009KR06280 20091029	H01M8/02	REINFORCED MATRIX IMPREGNATED WITH ELECTROLYTES FOR MOLTEN CARBONATE FUEL CELL AND FABRICATION METHOD THEREOF
DE102010063016 A1 20120614	BOSCH GMBH ROBERT [DE]	DE201010063016 20101214	C25B1/04; B60T1/10; H01M8/06	Rekuperationselektrolyse
EP2455338 A1 20120523	AMMINEX AS [DK]	EP20090818799 20090824; EP20080017496 20081006; US20080103300P 20081	C01C1/00; B01D53/94; F01N3/20; H01M8/04; H01M8/06; H01M8/22	Release of stored ammonia at start-up

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JP4932712B2 B2 20120516		JP20050191879 20050630; WO2006JP312860 20060628; JP20070523968 20060	C08L23/08; C08L83/04; C09K3/10; H01B3/28; H01M8/02	RUBBER COMPOSITION AND USE THEREOF
KR20120006920 A 20120119	LITEC BATTERY GMBH [DE]	DE200810006026 20080125	H01M2/34; H01M2/12; H01M8/04; H01M10/42	SAFETY MECHANISM FOR ELECTRIC MECHANISMS OPERATING ACCORDING TO GALVANIC PRINCIPLES
CN102385337 A 20120321	Nanjing Hehao Communication Technology Co., Ltd.	CN20111375585 20111123	G05B19/048; H01M8/04	Safety monitoring system for fuel cell
TWM420052U U 20120101	GEN OPTICS CORP [TW]	TW100214493U 20110805	H01M8/02	Sandwich structure of flow channel plate
AT551745T T 20120415	HONDA MOTOR CO LTD [JP]	JP20090034481 20090217	H01M8/04; F04F5/16; F04F5/44; F04F5/46; F04F5/54	SAUGSTRAHLPUMPE UND BRENNSTOFFZELLENSYSTEM DAMIT
AU2010309944 A1 20120607	COMMISSARIAT ENERGIE ATOMIQUE [FR]; TECHNETICS GROUP FRANCE SAS; ARMINES	FR20090057344 20091020; WO2010EP65649 20101018	F16J15/08; H01M8/02	Seal between two elements having separate thermal expansion coeffici
EP2415582 A1 20120208	NOK CORP [JP]	WO2010JP52491 20100219; JP20090085074 20090331	B29C45/34; B29C45/14; B29C45/26; H01M8/02; H01M8/10	SEAL COMPONENT MANUFACTURING METHOD AND MOLD

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US2012034542 A1 20120209	BALLARD POWER SYSTEMS [CA]	US200913133445 20091216; US20080139238P 20081219; WO2009US68326 20091216	H01M8/24; H01M8/00; H01M8/04; H01M8/10	SEAL FOR SOLID POLYMER ELECTROLYTE FUEL CELL
JP2012031265 A 20120216	TOSHIBA CORP [JP]	JP20100170967 20100729	C09K3/10; B32B1/08; B32B7/02; C25B9/00; F16J15/06; F16J15/10; F16J15/14	SEAL MATERIAL AND ELECTROCHEMICAL DEVICE
JP2012023042 A 20120202	NISSAN MOTOR [JP]	JP20080304983 20081128; JP20080305400 20081128; JP20110168459 20110801	H01M8/02; F16J15/10	SEAL STRUCTURE AND FUEL CELL EQUIPPED WITH THE SAME
WO2012077492 A1 20120614	NOK CORP [JP]; KOGA SHOTARO [JP]; KURANO YOSHIHIRO [JP]	JP20100271248 20101206	H01M8/02	SEAL STRUCTURE FOR FUEL CELL
US2012122010 A1 20120517	NOK CORP [JP]	US201113312164 20111206; JP20050206486 20050715; US20070795604 20070	H01M2/08; H01M8/24	SEAL STRUCTURE FOR FUEL CELL AND METHOD FOR PRODUCING SAME
KR20120014495 A 20120217	KOREA ELECTRIC POWER CORP [KR]	KR20100076613 20100809	H01M8/12; C09K3/10; H01M8/04	SEALANT FOR SOLID OXIDE FUEL CELLS

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EP2403044 A1 20120104	CORNING INC [US]	EP20080742523 20080403; US20070923021 20071024	H01M8/12; C03B27/012; C03C3/064; C03C8/24; C03C10/00; C03C14/00; C03C29/00; C04B35/195; F16J15/12; H01M8/02	Sealing materials, solid oxide fuel cells utilizing such materials and a method of making such materials
CN102386427 A 20120321	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20111376938 20111122	H01M8/04; H01M8/18	Sealing method of vanadium liquid cavity and vanadium pile system using same
JP2012099309 A 20120524	MITSUBISHI HEAVY IND LTD [JP]	JP20100245218 20101101	H01M8/02; H01M8/24	SEALING STRUCTURE OF CURRENT COLLECTOR ROD FOR FUEL BATTERY
KR20120022892 A 20120312	NOK CORP [JP]	JP20090120694 20090519; JP20100029816 20100215	H01M8/02; H01M8/10	SEALING STRUCTURE OF FUEL CELL
KR20120033558 A 20120409	AN SANG YONG [KR]; KIM EUNG JIN [KR]	KR20100095143 20100930	H01M8/18; H01M8/02; H01M8/04; H01M8/24	SECONDARY BATTERY
WO2012070487 A1 20120531	KONICA MINOLTA HOLDINGS INC [JP]; OHMORI HIROKO [JP]; UEYAMA MASAYUK	JP20100260977 20101124	H01M8/06; H01M8/04; H01M8/12	SECONDARY BATTERY TYPE FUEL CELL SYSTEM
WO2012026219 A1 20120301	KONICA MINOLTA HOLDINGS INC [JP]; UEYAMA MASAYUKI [JP]	JP20100187879 20100825	H01M8/06; C01B3/08; H01M8/00; H01M8/04	SECONDARY BATTERY TYPE FUEL CELL SYSTEM

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WO2012043271 A1 20120405	KONICA MINOLTA HOLDINGS INC [JP]; UEYAMA MASAYUKI [JP]	JP20100218581 20100929	H01M8/06; H01M8/00; H01M8/04	SECONDARY BATTERY TYPE FUEL CELL SYSTEM
JP2012079558 A 20120419	KONICA MINOLTA HOLDINGS INC [JP]	JP20100224236 20101001	H01M8/04; H01M8/06	SECONDARY-BATTERY TYPE FUEL CELL SYSTEM
KR20120034508 A 20120412	KOREA ENERGY RESEARCH INST [KR]	KR20100096115 20101001	H01M8/12; C04B35/48; C04B38/00; H01M8/02	SEGMENT-IN-SERIES TYPE SOFC SUB-MODULE, PREPARATION METHOD THEREOF AND SEGMENT-IN-SERIES TYPE SOFC MODULE USING THE SAME
DE102011009357 A1 20120216	GM GLOBAL TECH OPERATIONS INC [US]	US20100696745 20100129	H01M8/04	SELBSTERLERNEN EINES BASISSTAPELWIDERSTANDS FÜR EINE HFR-BASIERTE RH-STEUERUNG
US2012009500 A1 20120112	VICTOR STEPHEN P [US]; MADDEN THOMAS H [US]; NIEZELSKI DAVID A [US]; RIDGWAY KRISTOFFER [US]	US	H01M8/04; H01M2/14; H01M2/18; H01M8/02; H01M8/24	SELECTIVELY SEALING FUEL CELL POROUS PLATE
CN102324533 A 20120118	South China University of Technology	CN20111213513 20110728	H01M8/02; H01M8/10	Self-breathing direct methanol fuel cell monomer based on porous metal fiberboard
CN102420334 A 20120418	UNIV WUHAN TECH	CN20111386726 20111129	H01M8/04	Self-feedback humidifier for proton exchange membrane fuel battery
EP2436073 A1 20120404	CENTRE NAT RECH SCIENT [FR]	WO2010FR51012 20100527; FR20090053490 20090527	H01M8/02; C03C8/24	SELF-HEALING VITREOUS COMPOSITION, METHOD FOR PREPARING SAME, AND US

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US2012148931 A1 20120614	KIM CHANG-JIN [US]; HUR JANET [US]; MENG DESHENG [US]	US201113325451 20111214; US20100422989P 20101214	H01M8/04; H01M8/24	SELF-PUMPING MEMBRANELESS FUEL CELL
EP2414089 A1 20120208	CENTRE NAT RECH SCIENT [FR]	WO2010FR50421 20100311; FR20090001540 20090330	B01D71/60; B01D67/00; B01D71/80; C08G73/04; H01M8/10	SELF-SUPPORTING DYNAMIC POLYMER MEMBRANE, METHOD OF PREPARATION, AND USES
CN102332586 A 20120125	CHINA ELECTRIC POWER RES INST	CN20111303204 20111012	H01M4/86; H01M8/02; H01M8/20	Semi-fuel battery for providing power in water
WO2012088442 A2 20120628	24M TECHNOLOGIES INC [US]; CHIANG YET-MING [US]; CARTER WILLIAM CRAI	US201061426962P 20101223	H01M8/24	SEMI-SOLID FILLED BATTERY AND METHOD OF MANUFACTURE
DE102011120252 A1 20120628	CLEAREDGE POWER INC [US]	US201061427721P 20101228	H01M8/02	Senken von Elektrolytverlust in PEM-Brennstoffzelle
AU2010313361 A1 20120315	MINE SAFETY APPLIANCES CO	US20090256712P 20091030; WO2010US54582 20101028	G01N27/49; H01M2/10; H01M8/24	Sensor comprising vent member
CN202216773U U 20120509	Beijing University of Technology	CN20112042160U 20110218	G01K7/02; G01N25/20; H01M8/04	Sensor for transient thin film heat flow inside fuel cell
ES2375407T T3 20120229	UNIV DENMARK TECH DTU [DK]	EP20070017097 20070831	H01M4/86; H01M4/88; H01M8/12	SEPARACION DE FASES DE IMPUREZAS DE DISPOSITIVOS ELECTROQUIMICOS.

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JP2012040530 A 20120301	INARI TEKKO KK	JP20100185675 20100821	C02F1/58; C01B25/30; C02F1/46; C05B7/00; C05F7/00	SEPARATION AND RECOVERING METHOD OF PHOSPHORUS COMPONENT IN WASTEWATER AND SEWAGE
KR20120032628 A 20120406	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100094053 20100929	H01M8/02; B29C45/14; C09J119/00; H01M8/10	SEPARATION PLATE HAVING INJECTION MOLDING GASKET AND METHOD FOR MANUFACTURING THE SAME
WO2012043903 A1 20120405	KOREA ELECTRIC POWER CORP [KR]; LEE TAE HEE [KR]; YOO YOUNG SUNG [KR]; CHOI MI HWA [KR]; CHOI JIN HYEOK [KR]	KR20100094063 20100929	H01M8/12; H01M8/02	SEPARATION PLATE OF SOLID OXIDE FUEL CELL STACK USING BONDING PROCESS
US2012107722 A1 20120503	HITACHI LTD [JP]	JP20100245864 20101102	H01M8/04; H01M8/10	SEPARATOR AND FUEL CELL USING THE SAME
JP2012014846 A 20120119	TOYOTA MOTOR CO LTD [JP]	JP20100147161 20100629	H01M8/02; H01M8/06	SEPARATOR FOR FUEL BATTERY
JP2012038484 A 20120223	PANASONIC CORP [JP]	JP20100175951 20100805	H01M8/02; H01M8/24	SEPARATOR FOR FUEL BATTERY, FUEL BATTERY STACK USING THE SAME, AND FUEL BATTERY SYSTEM
KR20120056600 A 20120604		KR20100118221 20101125	H01M8/02; B21D28/00; H01M8/10	SEPARATOR FOR FUEL CELL
KR20120042376 A 20120503	HYUNDAI MOTOR CO LTD [KR]	KR20100104049 20101025	H01M8/02; B60L11/18; H01M8/10	SEPARATOR FOR FUEL CELL
JP2012054139 A 20120315	NIPPON SOKEN [JP]; TOYOTA MOTOR CORP [JP]	JP20100196578 20100902	H01M8/02	SEPARATOR FOR FUEL CELL

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JP2012014940 A 20120119	TOYOTA BOSHOKU CORP [JP]	JP20100149916 20100630	H01M8/02	SEPARATOR FOR FUEL CELL
WO2012035584 A1 20120322	TOYOTA MOTOR CO LTD [JP]; NONOYAMA NOBUAKI [JP]; IKEDA KOTARO [JP]	JP	H01M8/02; H01M8/10	SEPARATOR FOR FUEL CELL AND FUEL CELL
KR20120061643 A 20120613		KR20100123017 20101203	H01M8/02; B29C45/00; H01M8/10	SEPARATOR FOR FUEL CELL AND MANUFACTURING METHOD OF THE SAME
JP2012099386 A 20120524	TOYOTA MOTOR CORP [JP]; TOYOTA CENTRAL RES & DEV [JP]	JP20100247291 20101104	H01M8/02; C23C16/26	SEPARATOR FOR FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
JP2012089460 A 20120510	PLASMA ION ASSIST CO LTD; WATANABE MASANORI	JP20100246832 20101015	H01M8/02; C23C16/509; H01M8/10; H05H1/46	SEPARATOR FOR FUEL CELL AND PLASMA PROCESSING APPARATUS THEREFOR
JP4861168B2 B2 20120125		JP20040182267 20040621; WO2005JP11384 20050621; JP20060514840 20050621	H01M8/02; C23C8/26; H01M8/10	Separator for Fuel Cell with Austenitic Stainless Steel Substrate
US2012034549 A1 20120209	SAMSUNG SDI CO LTD [KR]	KR20100075055 20100803; KR20110060247 20110621	H01M2/14; H01M8/00; H01M8/04; H01M8/10	SEPARATOR FOR FUEL CELL, AND FUEL CELL SYSTEM INCLUDING SAME
JP2012069252 A 20120405	DAINIPPON PRINTING CO LTD [JP]	JP20100210477 20100921	H01M8/02	SEPARATOR FOR FUEL CELL, AND METHOD OF MANUFACTURING THE SAME

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JP2012099382 A 20120524	TOYOTA MOTOR CO LTD [JP]	JP20100247205 20101104	H01M8/02; H01M8/10	SEPARATOR FOR FUEL CELL, FUEL CELL
WO2012035585 A1 20120322	TOYOTA MOTOR CO LTD [JP]; OKABE HIROKI [JP]; NAKAJI HIROYA [JP]; YOSHIDA MAKOTO [JP]; HAMADA SHIGETAKA [JP]; KURIHARA TAKUYA [JP]; SATO KENJI [JP]; TANAKA HIDEAKI [JP]; NAKAGAKI NOBUHIKO [JP]; UEDA JUNJI [JP]; KINOSHITA KATSUHIKO [JP]	JP	H01M8/02	SEPARATOR FOR FUEL CELL, FUEL CELL, AND METHOD FOR MANUFACTURING FUEL CELL
JP4854747B2 B2 20120118		JP20060337014 20061214; WO2007JP73939 20071212; JP20080549333 20071212	F24F6/04; F24F6/00; H01M8/04	SEPARATOR FOR HUMIDIFIER, HUMIDIFIER, AND FUEL CELL SYSTEM COMPRISING THE HUMIDIFIER
JP4889910B2 B2 20120307		JP20000276893 20000912; WO2001JP07783 20010907; JP20020527594 20010907	H01M8/02	SEPARATOR FOR LOW-TEMPERATURE TYPE FUEL CELL AND PRODUCTION METHOD THEREFOR

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JP4901050B2 B2 20120321		JP20000160089 20000530; WO2001JP04494 20010529; JP20020500468 20010529	H01M2/16; C08K3/00; C08L23/00; H01M8/02; H01M10/36; H01M12/08	SEPARATOR FOR METAL HALOGEN CELL
KR20120054780 A 20120531	KOREA ENERGY RESEARCH INST [KR]	KR20100116071 20101122	H01M8/12; H01M8/02	SEPARATOR FOR SOLID OXIDE FUEL CELL AND FLOW STRUCTURE
KR20120068823 A 20120627	DAIDO STEEL CO LTD [JP]; JX NIPPON MINING & METALS CORP [JP]	JP20090182239 20090805	H01M8/02; C25D3/48; C25D5/26; C25D5/48	SEPARATOR MATERIAL FOR FUEL CELL, AND FUEL CELL STACK USING SAME
WO2012005112 A1 20120112	JX NIPPON MINING & METALS CORP [JP]; DAIDO STEEL CO LTD [JP]; SHIBUYA NORIMITSU [JP]; HISADA TATSUO [JP]; HUTO MASAYOSI [JP]	JP20100156523 20100709	H01M8/02; C25D3/48; C25D5/26; C25D7/00; H01M8/10	SEPARATOR MATERIAL FOR FUEL CELL, AND SEPARATOR FOR FUEL CELL AND FUEL CELL STACK EACH COMPRISING SAME
US2012141901 A1 20120607	GM GLOBAL TECH OPERATIONS INC [US]	US20100962006 20101207	H01M8/04; H01M8/24	SEPARATOR PLATE DESIGN WITH IMPROVED FREEZE START-UP
CN102340018 A 20120201	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	CN20101232250 20100715	H01M8/24; H01M8/04	Serial connection system with a plurality of groups of fuel cell convertors and control method thereof

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EP2415580 A1 20120208	SHOWA DENKO KK [JP]	WO2010JP02277 20100329; JP20090082279 20090330	B29C43/02; B29C43/36; B29C59/02; H01M8/02; H01M8/10	SHEET PRESS MOLDING METHOD AND METHOD FOR MANUFACTURING SEPARATOR FOR FUEL CELL
EP2415579 A1 20120208	SHOWA DENKO KK [JP]	WO2010JP01883 20100316; JP20090082619 20090330	B29C43/02; B29C33/42; B29C43/34; B29C43/36; B29C59/02; H01M8/02	SHEET PRESS MOLDING METHOD AND METHOD OF PRODUCING FUEL CELL SEPARATOR
CN102315471 A 20120111	Guangdong Institute of Microbiology	CN20101220341 20100707	H01M8/16	Shewanella-decolorationis-based microbial fuel cell and using method thereof
WO2012078786 A2 20120614	ENERVAULT CORP [US]; HORNE CRAIG R [US]; SHA JAY E [US]; LYLE WILLIA	US20100421049P 20101208; US201113312802 20111206	H01M8/16; H01M8/04	SHUNT CURRENT RESISTORS FOR FLOW BATTERY SYSTEMS
KR20120034894 A 20120413	HYUNDAI HYSCO [KR]	KR20100096267 20101004	H01M8/06; C01B3/32; H01M8/04; H01M8/10	SHUT DOWN METHOD OF REFORMING SYSTEM FOR FUEL CELL USING AUXILIARY HEAT EXCHANGER
CN102522582 A 20120627	SUNRISE POWER CO [CN]	CN20111449224 20111228	H01M8/04; B60L11/18	Shutdown purging system and purging method for vehicle-mounted fuel cell power generation system
JP2012009245 A 20120112	NIPPON TELEGRAPH & TELEPHONE	JP20100143486 20100624	H01M8/02; H01M4/86; H01M4/88; H01M8/12	SINGLE CELL FOR SOLID OXIDE FUEL BATTERY AND MANUFACTURING METHOD OF SINGLE CELL FOR SOLID OXIDE FUEL BATTERY
KR20120002645 A 20120109	KOREA ELECTRIC POWER CORP [KR]	KR20100063253 20100701	H01M8/12; H01M8/02	SINGLE CELL OF SOLID OXIDE FUEL CELL AND METHOD FOR MANUFACTURING THEREOF

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EP2425486 A2 20120307	UNIV FLORIDA [US]	WO2010US31995 20100422; US20090174122P 20090430	H01M12/06; B82B3/00; H01M8/02	SINGLE WALL CARBON NANOTUBE BASED AIR CATHODES
BRPI0712089 A2 20120131	CANON KK [JP]	JP20060148660 20060529; WO2007JP60171 20070511	H01M8/04; H01M8/10	sistema de célula de combustível
ES2375869T T3 20120307	FRONIUS INT GMBH [AT]	AT20060000783 20060505; WO2007AT00120 20070313	H01M8/04	SISTEMA DE REFRIGERACION PARA UNA PILA DE COMBUSTIBLE.
ES2374286T T3 20120215	VOLVO TECHNOLOGY CORP	SE20020000589 20020227; WO2003SE00314 20030225	C01B3/50; C01B3/56; B01D53/22; C01B3/38; H01M8/06; H01M8/10	SISTEMA PARA LA GENERACION DE COMBUSTIBLE DE HIDROGENO PARA UNA CELULA DE COMBUSTIBLE.
JP2012064502 A 20120329	TOPPAN PRINTING CO LTD [JP]	JP20100209327 20100917	H01M4/86; H01M8/10	SLURRY FOR FUEL CELL ELECTRODE CATALYST LAYER
CN202260645U U 20120530	JS POWER INC [CN]	CN20112305691U 20110822	H02J15/00; H01M8/06	Small generator using hydrogen manufacturing agent and portable high polymer fuel cell
JP2012514311 A 20120621		US20080204034P 20081231; WO2009US69725 20091229	H01M4/86; H01M4/88; H01M8/02; H01M8/12; H01M8/24	SOFC Cathode and Method for Cofired Cells and Stacks
JP2012506131 A 20120308		NL20082002113 20081020; WO2009NL50631 20091020	H01M8/02; H01M8/12	SOFC STACK WITH CORRUGATED SEPARATOR PLATE

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CN102386431 A 20120321	Nankai University	CN20111324912 20111024	H01M8/16; B09C1/10; H01M8/02	Soil microbial fuel cell and method for remediating petroleum hydrocarbon polluted soil
JP2012001420 A 20120105	SHARP KK [JP]	JP20100115319 20100519; JP20100231710 20101014	C01B3/04; C25B1/04; H01L31/04; H01M14/00	SOLAR-CELL-INTEGRATED GAS PRODUCTION DEVICE
US2012045711 A1 20120223	SAMSUNG SDI CO LTD [KR]	US201113238885 20110921; KR20050096243 20051012; US20060580733 20061012	H01M8/10	SOLID ACID, POLYMER ELECTROLYTE MEMBRANE INCLUDING THE SAME, AND FUEL CELL USING THE POLYMER ELECTROLYTE MEMBRANE
JP2012003850 A 20120105	TOTO LTD [JP]	JP20100134985 20100614	H01M8/04; H01M8/12	SOLID ELECTROLYTE FUEL BATTERY
JP2012124020 A 20120628	HONDA MOTOR CO LTD [JP]	JP20100273628 20101208	H01M8/02; H01M4/86; H01M8/12	SOLID ELECTROLYTE FUEL BATTERY
JP2012084469 A 20120426	FUJI ELECTRIC CO LTD	JP20100231333 20101014	H01M8/02; H01M8/12	SOLID ELECTROLYTE FUEL CELL
JP2012084468 A 20120426	FUJI ELECTRIC CO LTD	JP20100231332 20101014	H01M8/02; H01M8/12	SOLID ELECTROLYTE FUEL CELL
JP2012059442 A 20120322	TOTO LTD [JP]	JP20100199864 20100907	H01M8/04; H01M8/12	SOLID ELECTROLYTE FUEL CELL
JP2012109247 A 20120607	NGK SPARK PLUG CO [JP]	JP20110254154 20111121	B23K1/00; B23K1/19; B23K35/30; C04B37/02; C22C5/06; H01M8/02; H01M8/12; B23K101/36	SOLID ELECTROLYTE FUEL CELL JOINING MEMBER

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JP2012059444 A 20120322	TOTO LTD [JP]	JP20100199866 20100907	H01M8/04; H01M8/12	SOLID ELECTROLYTE FUEL CELL SYSTEM
JP2012059443 A 20120322	TOTO LTD [JP]	JP20100199865 20100907	H01M8/04; H01M8/12	SOLID ELECTROLYTE FUEL CELL SYSTEM
JP4876914B2 B2 20120215		JP20040081715 20040319; WO2005JP05164 20050322; JP20060511283 20050322	H01M8/02; H01M8/04; H01M8/10	Solid Electrolyte Fuel Cell
JP2012084401 A 20120426	KOREA INST CERAMIC ENG & TECH [KR]	JP20100229951 20101012	H01M8/24; H01M4/88; H01M8/12	SOLID ELECTROLYTE FUEL CELL, AND MANUFACTURING METHOD THEREOF
EP2468798 A1 20120627	CENTRAL GLASS CO LTD [JP]	JP20090191416 20090820; WO2010JP63957 20100819	C07F7/08; C08G77/28; C08J5/22; H01B1/06; H01B13/00; H01M8/02; H01M8/10	SOLID ELECTROLYTE MEMBRANE FOR FUEL CELL AND PROCESS FOR PRODUCING S
JP2012114050 A 20120614	NIPPON SHEET GLASS CO LTD	JP20100264361 20101126	H01M8/02; H01M8/10	SOLID ELECTROLYTE MEMBRANE REINFORCEMENT MATERIAL
WO2012011899 A1 20120126	UTC POWER CORP [US]; TOYOTA MOTOR CO LTD [JP]; DARLING ROBERT MASON [US]	US	H01M8/02; H01M8/10	SOLID FLOW FIELD PLATE WITH END TURNS

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WO2012062341 A1 20120518	UNIV DENMARK TECH DTU [DK]; TOPSOEE FUEL CELL AS [DK]; HENDRIKSEN PE	EP	H01M4/90; H01M4/88; H01M8/24	SOLID OXIDE CELL STACK AND METHOD FOR PREPARING SAME
US2012094213 A1 20120419	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100101879 20101019	H01M8/10; B05D5/00; C23C16/44; C25D15/00	SOLID OXIDE ELECTROLYTE MEMBRANE, METHOD OF MANUFACTURING THE SAME AND FUEL CELL INCLUDING THE SOLID OXIDE ELECTROLYTE MEMBRANE
JP2012033270 A 20120216	NIPPON TELEGRAPH & TELEPHONE	JP20100169020 20100728	H01M8/06; H01M8/04; H01M8/12	SOLID OXIDE FUEL BATTERY AND METHOD OF RECOVERING CARBON DIOXIDE THEREOF
JP2012119212 A 20120621	NIPPON TELEGRAPH & TELEPHONE	JP20100269115 20101202	H01M4/86; H01M8/02; H01M8/12	SOLID OXIDE FUEL BATTERY AND UNIT CELL FOR SOLID OXIDE FUEL BATTERY
JP2012054015 A 20120315	KYOCERA CORP [JP]	JP20100193902 20100831	H01M4/86; H01M8/02; H01M8/12	SOLID OXIDE FUEL BATTERY CELL AND FUEL BATTERY
JP2012069418 A 20120405	NIPPON CATALYTIC CHEM IND [JP]	JP20100214146 20100924	H01M8/02; B29C59/02; H01B1/06; H01M8/12	SOLID OXIDE FUEL BATTERY ELECTROLYTE SHEET, MANUFACTURING METHOD THEREOF, AND SOLID OXIDE FUEL BATTERY SINGLE CELL
JP2012094365 A 20120517	KIKUSUI KAGAKU KOGYO KK	JP20100240289 20101027	H01M4/86; H01M8/02; H01M8/12	SOLID OXIDE FUEL BATTERY SINGLE CELL
JP2012119126 A 20120621	MAGUNEKUSU KK	JP20100266611 20101130	H01M8/02; C22C19/03; C22C19/07; H01M8/12	SOLID OXIDE FUEL BATTERY
JP2012009461 A 20120112	DAINIPPON PRINTING CO LTD [JP]	JP20110225671 20111013	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL

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JP2012028340 A 20120209	DAINIPPON PRINTING CO LTD [JP]	JP20110219827 20111004	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
JP2012069420 A 20120405	DAINIPPON PRINTING CO LTD [JP]	JP20100214167 20100924	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
US2012015282 A1 20120119	KWON YOUNG-SUN [KR]; SUH JUN-WON [KR]; KIM JAN-DEE [KR]; KWEON HO- JIN [KR]	KR20100068464 20100715	H01M8/10	SOLID OXIDE FUEL CELL
WO2012053803 A2 20120426	MIM CERAMICS CO LTD [KR]; KIM YOUNG JUNG [KR]	KR20100101803 20101019	H01M8/12; H01M8/02; H01M8/24	SOLID OXIDE FUEL CELL
JP4913257B1 B1 20120411	NGK INSULATORS LTD [JP]	JP20100228877 20101008; JP20110195598 20110908	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
JP2012099322 A 20120524	NGK INSULATORS LTD [JP]	JP20100245597 20101101	H01M8/02; C01G37/00; C01G53/00; C04B35/50; H01M4/86; H01M8/12	SOLID OXIDE FUEL CELL
JP2012064348 A 20120329	NGK SPARK PLUG CO [JP]	JP20100205737 20100914	H01M8/02; H01M8/12; H01M8/24	SOLID OXIDE FUEL CELL
US2012064432 A1 20120315	SAMSUNG ELECTRO MECH [KR]	KR20100088805 20100910	H01M8/10	SOLID OXIDE FUEL CELL

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US2012058406 A1 20120308	SAMSUNG ELECTRO MECH [KR]	KR20100086048 20100902	H01M8/06	SOLID OXIDE FUEL CELL
US2012058410 A1 20120308	SAMSUNG ELECTRO MECH [KR]	KR20100086608 20100903	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL
KR20120007770 A 20120125	SAMSUNG SDI CO LTD [KR]	KR20100068463 20100715	H01M8/12; H01M2/08; H01M8/02	SOLID OXIDE FUEL CELL
JP2012069533 A 20120405	TECHNICAL UNIV OF DENMARK	DK20040000904 20040610; DK20050000159 20050202	H01M8/02; H01M4/86; H01M4/88; H01M4/90; H01M8/00; H01M8/12	SOLID OXIDE FUEL CELL
US2012021317 A1 20120126	TOTO LTD [JP]	JP20090087231 20090331; WO2010JP55914 20100331	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL
US2012015273 A1 20120119	TOTO LTD [JP]	JP20090087460 20090331; WO2010JP55912 20100331	H01M8/04	SOLID OXIDE FUEL CELL
US2012015271 A1 20120119	TOTO LTD [JP]	JP20090087230 20090331; JP20090244243 20091023; WO2010JP55915 20100331	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL

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US2012028153 A1 20120202	TOTO LTD [JP]	JP20090087229 20090331; WO2010JP55913 20100331	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL
US2012028158 A1 20120202	TOTO LTD [JP]	JP20090087351 20090331; WO2010JP55916 20100331	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL
JP2012094479 A 20120517	TOTO LTD [JP]	JP20100218367 20100929; JP20110079465 20110331	H01M8/04; H01M8/12	SOLID OXIDE FUEL CELL
JP2012094478 A 20120517	TOTO LTD [JP]	JP20100218366 20100929; JP20110079464 20110331	H01M8/04; H01M8/12	SOLID OXIDE FUEL CELL
WO2012043698 A1 20120405	TOTO LTD [JP]; OTSUKA TOSHIHARU [JP]; TSUCHIYA KATSUHISA [JP]; SHIGEZUMI TSUKASA [JP]; OOE TOSHIHARU [JP]; NAKANO KIYOTAKA [JP]; MATSUO TAKUYA [JP]	JP20110077955 20110331; JP20110077954 20110331; JP20110079465 20110331; JP20100218367 20100929	H01M8/04; H01M8/12	SOLID OXIDE FUEL CELL

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WO2012043697 A1 20120405	TOTO LTD [JP]; OTSUKA TOSHIHARU [JP]; TSUCHIYA KATSUHISA [JP]; SHIGEZUMI TSUKASA [JP]; OOE TOSHIHARU [JP]; NAKANO KIYOTAKA [JP]; MATSUO TAKUYA [JP]	JP20110078889 20110331; JP20110078888 20110331; JP20110079464 20110331; JP20100218366 20100929	H01M8/04; H01M8/12	SOLID OXIDE FUEL CELL
WO2012043646 A1 20120405	TOTO LTD [JP]; OTSUKA TOSHIHARU [JP]; TSUCHIYA KATSUHISA [JP]; SHIGEZUMI TSUKASA [JP]; OOE TOSHIHARU [JP]; NAKANO KIYOTAKA [JP]; MATSUO TAKUYA [JP]	JP20100222104 20100930	H01M8/04; H01M8/06; H01M8/12	SOLID OXIDE FUEL CELL
JP2012064547 A 20120329	DAINIPPON PRINTING CO LTD [JP]	JP20100210099 20100917	H01M8/24; H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL AND COUPLING STRUCTURE THEREOF
US2012015278 A1 20120119	YOON DUK-HYOUNG [KR]; KONG SANG-JUN [KR]; SON HYUN-MIN [KR]	KR20100069035 20100716	H01M8/24; H01M8/10	SOLID OXIDE FUEL CELL AND FUEL CELL ASSEMBLY THEREOF

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JP2012094427 A 20120517	KYOCERA CORP [JP]	JP20100242098 20101028	H01M8/02; H01M4/86; H01M8/12	SOLID OXIDE FUEL CELL AND FUEL CELL MODULE
US2012015276 A1 20120119	SAMSUNG SDI CO LTD [KR]	KR20100068465 20100715	H01M8/24; H01M8/10	SOLID OXIDE FUEL CELL AND FUEL CELL STACK
US2012015275 A1 20120119	SAMSUNG SDI CO LTD [KR]	KR20100069036 20100716	H01M8/24; H01M8/04; H01M8/10	SOLID OXIDE FUEL CELL AND FUEL CELL STACK
US2012021339 A1 20120126	SAMSUNG ELECTRO MECH [KR]	KR20100072093 20100726	H01M4/48; H01M8/00	SOLID OXIDE FUEL CELL AND MANUFACTURING METHOD THEREOF
JP2012022856 A 20120202	mitsubishi heavy ind LTD [JP]	JP20100159181 20100713	H01M8/02; H01M8/12; H01M8/24	SOLID OXIDE FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
JP2012033418 A 20120216	TOSHIBA CORP [JP]	JP20100173138 20100730	H01M4/86; H01M4/88; H01M8/12	SOLID OXIDE FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
JP2012033417 A 20120216	TOSHIBA CORP [JP]	JP20100173137 20100730	H01M4/86; H01M4/88; H01M8/12	SOLID OXIDE FUEL CELL AND METHOD FOR MANUFACTURING THE SAME
JP2012003893 A 20120105	NGK SPARK PLUG CO [JP]	JP20100136333 20100615	H01M8/04; H01M8/02; H01M8/12; H01M8/24	SOLID OXIDE FUEL CELL AND METHOD OF MANUFACTURING THE SAME
JP2012059408 A 20120322	KIKUSUI KAGAKU KOGYO KK	JP20100199098 20100906	H01M8/04; H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL AND METHOD OF USING SOLID OXIDE FUEL CELL
JP2012099497 A 20120524	NGK SPARK PLUG CO [JP]	JP20120006389 20120116	H01M4/86; H01M4/88; H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL AND SOLID OXIDE FUEL CELL STACK
JP2012079421 A 20120419	TOTO LTD [JP]	JP20100220710 20100930	H01M8/04; H01M8/06; H01M8/12	SOLID OXIDE FUEL CELL APPARATUS

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JP2012079420 A 20120419	TOTO LTD [JP]	JP20100220709 20100930	H01M8/04; H01M8/06; H01M8/12	SOLID OXIDE FUEL CELL APPARATUS
JP2012079488 A 20120419	TOTO LTD [JP]	JP20100222105 20100930	H01M8/02	SOLID OXIDE FUEL CELL ASSEMBLY
US2012021319 A1 20120126	TOTO LTD [JP]	JP20090086743 20090331; WO2010JP55910 20100331	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL DEVICE
US2012021307 A1 20120126	TOTO LTD [JP]	JP20090087415 20090331; WO2010JP55908 20100331	H01M8/06; H01M2/02; H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL DEVICE
US2012015262 A1 20120119	TOTO LTD [JP]	JP20090087414 20090331; WO2010JP55907 20100331	H01M8/06; H01M2/02; H01M8/24	SOLID OXIDE FUEL CELL DEVICE
US2012028143 A1 20120202	TOTO LTD [JP]	JP20090087413 20090331; WO2010JP55906 20100331	H01M8/04; H01M8/06	SOLID OXIDE FUEL CELL DEVICE

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WO2012043648 A1 20120405	TOTO LTD [JP]; OTSUKA TOSHIHARU [JP]; TSUCHIYA KATSUHISA [JP]; SHIGEZUMI TSUKASA [JP]; OOE TOSHIHARU [JP]; NAKANO KIYOTAKA [JP]; MATSUO TAKUYA [JP]	JP20100220711 20100930	H01M8/04; H01M8/06; H01M8/12	SOLID OXIDE FUEL CELL DEVICE
WO2012043647 A1 20120405	TOTO LTD [JP]; OTSUKA TOSHIHARU [JP]; TSUCHIYA KATSUHISA [JP]; SHIGEZUMI TSUKASA [JP]; OOE TOSHIHARU [JP]; NAKANO KIYOTAKA [JP]; MATSUO TAKUYA [JP]	JP20100220710 20100930; JP20100220709 20100930	H01M8/04; H01M8/06; H01M8/12	SOLID OXIDE FUEL CELL DEVICE

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EP2434572 A1 20120328	DEVOE ALAN [US]; DEVOE LAMBERT [US]	EP20070797427 20070511; US20060557894 20061108; US20060557901 20061108; US20060557934 20061108; US20060557935 20061108; US20060747013P 20060511	H01M8/24	Solid oxide fuel cell device and system
AU2012200840B B2 20120405	DEVOE ALAN [US]; DEVOE LAMBERT [US]	AU20060311545 20061108; AU20120200840 20120214	H01M4/88; H01M8/24	Solid oxide fuel cell device comprising an elongated substrate with a hot and a cold portion
JP2012079506 A 20120419	NIPPON CATALYTIC CHEM IND [JP]	JP20100222489 20100930	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL ELECTROLYTE SHEET MANUFACTURING METHOD
US2012040267 A1 20120216	YOON DUK-HYOUNG [KR]; TANIGUCHI SHUNSUKE [KR]	KR20100077033 20100810	H01M8/24; H01M8/02; H01M8/04	Solid oxide fuel cell including a coupling structure
US2012064428 A1 20120315	SAMSUNG ELECTRO MECH [KR]	KR20100088806 20100910	H01M8/24; H01M2/32	SOLID OXIDE FUEL CELL MODULE
JP2012089508 A 20120510	JX NIPPON OIL & AMP ENERGY CORP [JP]	JP20110253909 20111121	H01M8/24; H01M8/00; H01M8/02; H01M8/04; H01M8/12	SOLID OXIDE FUEL CELL STACK
US2012028157 A1 20120202	SON HYUN-MIN [KR]	KR20100072364 20100727	H01M8/04; H01M8/24	SOLID OXIDE FUEL CELL STACK

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JP2012059505 A 20120322	MITSUBISHI HEAVY IND LTD [JP]	JP20100201043 20100908	H01M8/04; H01M4/86; H01M8/12	SOLID OXIDE FUEL CELL STARTING METHOD
CN102347495 A 20120208	North China Electric Power University	CN20111318983 20111019	H01M4/90; H01M8/12	Solid oxide fuel cell structure and preparation method thereof
EP2462646 A1 20120613	FRAUNHOFER GES FORSCHUNG [DE]	DE200910037148 20090806; WO2010EP04093 20100707	H01M8/02; H01M8/04; H01M8/06	SOLID OXIDE FUEL CELL SYSTEM
JP2012074267 A 20120412	NORITAKE CO LTD	JP20100218407 20100929	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL SYSTEM AND JOINING MATERIAL
EP2426766 A1 20120307	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE201010044408 20100904	H01M8/04	Solid oxide fuel cell system and method for operating the same
JP2012022834 A 20120202	NGK SPARK PLUG CO [JP]	JP20100158570 20100713	H01M8/04; H01M8/06; H01M8/12	SOLID OXIDE FUEL CELL UNIT AND COMBUSTOR FOR SOLID OXIDE FUEL CELL STACK
US2012021314 A1 20120126	ADAPTIVE MATERIALS INC [US]	US20100843397 20100726	H01M8/06	SOLID OXIDE FUEL CELL WITH INTERNAL REFORMING MEMBER
WO2012040054 A2 20120329	ADAPTIVE MATERIALS INC [US]; ZHA SHAOWU [US]; LABRECHE TIMOTHY [US]; CRUMM AARON [US]	US20100888531 20100923	H01M8/12; H01M8/02; H01M8/04; H01M8/06; H01M8/24	SOLID OXIDE FUEL CELL WITH MULTIPLE FUEL STREAMS
JP4916041B1 B1 20120411		JP20100277223 20101213; JP20110202757 20110916; JP20110268514 20111208	H01M8/02; H01M8/12; H01M8/24	SOLID OXIDE FUEL CELL

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JP4913260B1 B1 20120411		JP20110045807 20110303; JP20110266374 20111206	H01M4/86; H01M8/02; H01M8/12	Solid oxide fuel cell
JP4932960B1 B1 20120516		JP20100283453 20101220; JP20110202759 20110916	H01M4/86; H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
JP4928642B1 B1 20120509		JP20100270038 20101203; JP20110158158 20110719	H01M8/02; H01M4/86; H01M8/12; H01M8/24	Solid oxide fuel cell
JP2012124070 A 20120628	HONDA MOTOR CO LTD [JP]	JP20100274953 20101209	H01M8/04; H01M8/06; H01M8/12; H01M8/24	SOLID OXIDE FUEL CELL
JP4872027B1 B1 20120208	NGK INSULATORS LTD [JP]	JP20100245599 20101101; JP20110156138 20110714	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
JP2012114082 A 20120614	NGK INSULATORS LTD [JP]	JP20100245598 20101101; JP20110230824 20111020	H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
JP2012119209 A 20120621	NIPPON TELEGRAPH & TELEPHONE	JP20100269110 20101202	H01M8/24; H01M8/02; H01M8/12	SOLID OXIDE FUEL CELL
JP2012038432 A 20120223	TOSHIBA CORP [JP]	JP20100174681 20100803	H01M8/02; H01M4/86; H01M4/88	SOLID OXIDE FUEL CELL, OXIDE COATED CERAMIC PARTICLE FOR SOLID OXIDE FUEL CELL, AND METHOD OF MANUFACTURING SOLID OXIDE FUEL CELL

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JP2012018808 A 20120126	NGK SPARK PLUG CO [JP]	JP20100155198 20100707	H01M8/02; C04B35/053; H01M8/04; H01M8/12; H01M8/24	SOLID OXIDE FUEL CELL, SOLID OXIDE FUEL CELL STACK AND SOLID OXIDE FUEL CELL DEVICE
US2012094206 A1 20120419	KOREA INST CERAMIC ENG & TECH [KR]	US20100923909 20101013	H01M8/10; H01M8/00	Solid oxide fuel cells and manufacturing method thereof
US2012045701 A1 20120223	UTC POWER CORP [US]	US	H01M8/04; H01M8/06	SOLID OXIDE FUEL SYSTEM
JP2012003934 A 20120105	HONDA MOTOR CO LTD [JP]	JP20100137563 20100616	H01M8/04; H01M8/12; H01M8/24	SOLID OXIDE TYPE FUEL CELL
JP2012009426 A 20120112	NGK INSULATORS LTD [JP]	JP20100120351 20100526; JP20110116799 20110525	H01M8/02; H01M8/12	SOLID OXIDE TYPE FUEL CELL
EP2447953 A1 20120502	TOYO BOSEKI [JP]	WO2010JP60505 20100622; JP20090149664 20090624	B01J39/12; B01J39/20; B01J47/12; C08K3/08; C08L101/02; C08L101/12; C25B13/08; H01B1/06; H01M4/86; H01M8/02; H01M8/10	SOLID POLYMER ELECTROLYTE COMPOSITION, ION-EXCHANGE MEMBRANE, MEMBRA
JP2012064402 A 20120329	ORIENT CHEMICAL IND	JP20100206922 20100915	H01B1/06; C08J5/18; C08K3/10; C08L27/12; H01M8/02;	SOLID POLYMER ELECTROLYTE MEMBRANE AND SOLID POLYMER FUEL CELL USING THE SAME

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			H01M8/10	
JP2012114049 A 20120614	JSR CORP [JP]	JP20100264343 20101126	H01M8/02; C08J5/22; H01B1/06; H01M8/10	SOLID POLYMER ELECTROLYTE MEMBRANE, METHOD FOR MANUFACTURING THE SAME, AND MEMBRANE-ELECTRODE ASSEMBLY AND FUEL CELL USING THE SAME
JP2012074224 A 20120412	TOPPAN PRINTING CO LTD [JP]	JP20100217678 20100928	H01M4/86; H01M8/02; H01M8/10	SOLID POLYMER FUEL BATTERY MEMBRANE ELECTRODE ASSEMBLY, SOLID POLYMER FUEL BATTERY SINGLE CELL, SOLID POLYMER FUEL BATTERY STACK, SOLID POLYMER FUEL BATTERY MEMBRANE ELECTRODE ASSEMBLY MANUFACTURING METHOD
JP4897928B2 B2 20120314		JP20090072669 20090324; WO2010JP01712 20100310; JP20100542469 20100310	H01M8/02; H01M8/10	SOLID POLYMER FUEL CELL AND SEPARATOR FOR SOLID POLYMER FUEL CELL
JP2012079489 A 20120419	GS YUASA CORP	JP20100222118 20100930	H01M4/96; H01M4/90	SOLID POLYMER FUEL CELL CATALYST, AND ELECTRODE AND BATTERY USING THE SAME
JP2012069304 A 20120405	UNIV OITA	JP20100211471 20100922	H01M4/88; H01M4/86; H01M4/92; H01M8/10	SOLID POLYMER FUEL CELL ELECTRODE CATALYST AND MANUFACTURING METHOD THEREOF

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JP4958356B2 B2 20120620		US19990150253P 19990823; US19990404897 19990924; US20000643550 20000	H01M4/90; H01M4/86; H01M4/92; H01M8/02; H01M8/04; H01M8/10	Solid polymer fuel cell with improved voltage reversal tolerance
JP2012119171 A 20120621	MITSUBISHI HEAVY IND LTD [JP]	JP20100268048 20101201	H01M8/02; H01M8/04; H01M8/06; H01M8/10	SOLID POLYMER FUEL CELL
JP2012015020 A 20120119	MITSUBISHI HEAVY IND LTD [JP]	JP20100152270 20100702	H01M8/04; H01M8/10	SOLID POLYMER POWER GENERATOR AND POWER GENERATION METHOD USING THE SAME
CN102487147 A 20120606	YOUNG GREEN ENERGY CO [TW]	CN20101577857 20101203	H01M8/06; H01M8/04	Solid reactant tablet, solid reactant pile and fuel cartridge
US2012028137 A1 20120202	CHASE GREGORY V [US]; ZECEVIC STRAHINJA [US]; WESLEY T WALKER [US]; UDDIN JASIM [US]; SASAKI KENJI A [US]; VINCENT P GIORDANI [US]; BRYANTSEV VYACHESLAV [US]; BLANCO MARIO [US]; ADDISON DAN D [US]	US201113093759 20110425; US20100327304P 20100423; US20100392014P 20101011	H01M8/22; B01J21/10; B01J23/02; B01J23/04; B01J35/00; H01M8/00	SOLUBLE OXYGEN EVOLVING CATALYSTS FOR RECHARGEABLE METAL-AIR BATTERIES

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
EP2441110 A2 20120418	SIVARAJAN RAMESH [US]	WO2010US37784 20100608; US20090185491P 20090609	H01M8/02	SOLUTION BASED NANOSTRUCTURED CARBON MATERIALS (NCM) COATINGS ON BIPOLAR PLATES IN FUEL CELLS
JP2012097266 A 20120524	JSR CORP [JP]	JP20110270204 20111209	C08L65/00; C08G61/12; C08G65/40; H01B13/00; H01M8/02; H01M8/10	SOLUTION FOR FORMING SOLID POLYMER ELECTROLYTE MEMBRANE
JP2012028355 A 20120209	DAICEL CORP	JP20090215274 20090917; JP20100140268 20100621; JP20100157083 20100709	H01G4/12; C04B35/622; H01G4/30	SOLVENT COMPOSITION FOR MANUFACTURING LAMINATED CERAMIC COMPONENT
EP2405994 A2 20120118	STICHTING WETSUS CT OF EXCELLENCE FOR SUSTAINABLE WATER TECHNOLOGY [NL]	WO2010NL50109 20100305; NL20091036698 20090311	B01D61/48; B01D61/50; B01D61/52; C02F1/44; H01M8/22	SPACER, CELL AND DEVICE FOR AN ION-EXCHANGING PROCESS AND METHOD THEREFORE
WO2012081001 A1 20120621	EMEFCY LTD [IL]; SHECHTER RONEN ITZHAK [IL]; LEVY EYTAN BARUCH [IL]	IL	H01M8/16	SPIRALLY WOUND MICROBIAL FUEL CELL
DE102011011953 A1 20120105	GM GLOBAL TECH OPERATIONS INC [US]	US20100713722 20100226	H01M8/04	Spitze-Hacke-Fahren mit Brennstoffzellenfahrzeug

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EP2452955 A1 20120516	ASAHI KASEI E MATERIALS CORP [JP]; DAIKIN IND LTD [JP]	EP20040787881 20040910; JP20030318243 20030910; JP20040226891 200408	C08F8/20; C08J5/22; H01M4/86; H01M8/02; H01M8/10	Stabilized fluoropolymer and method for producing same
EP2424028 A2 20120229	POSTECH ACAD IND FOUND [KR]; POSBEE CORP [KR]	WO2010KR02326 20100415; KR20090034167 20090420	H01M8/24; H01M8/04; H01M8/12	STACK FOR A SOLID OXIDE FUEL CELL USING A FLAT TUBULAR STRUCTURE
EP2413422 A1 20120201	SAMSUNG ELECTRONICS CO LTD [KR]	KR20100074386 20100730	H01M10/50; H01M8/02; H01M8/04	Stack having uniform temperature distribution and method of operating the same
WO2012046192 A1 20120412	ELECTRO POWER SYSTEMS S P A [IT]; CHERCHI PIERPAOLO [IT]; MERCANTE LUCA [IT]; GIANOLIO GIUSEPPE [IT]; ROSSO ILARIA [IT]; BONA DENIS [IT]	IT2010TO00805 20101004	H01M8/02; H01M8/00; H01M8/04; H01M8/24	STACK OF IMPROVED FUEL CELLS AND ELECTRIC POWER GENERATOR COMPRISING SAID STACK
JP2012099493 A 20120524	JAPAN FINE CERAMICS CT; FCO POWER INC	JP20080080794 20080326; JP20110275058 20111215	H01M8/02; H01M4/88; H01M8/12	STACK STRUCTURE FOR MULTILAYER TYPE SOLID OXIDE FUEL CELL, MULTI
KR20120050132 A 20120518	HYUNDAI HYSKO [KR]	KR20100111494 20101110	G01R31/36; G01R19/165; H01M8/04	STACK VOLTAGE MONITORING APPARATUS OF FUEL CELL

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WO2012083239 A1 20120621	24M TECHNOLOGIES INC [US]; SLOCUM ALEXANDER H [US]; BAZZARELLA RICAR	US20100424026P 20101216	H01M8/04	STACKED FLOW CELL DESIGN AND METHOD
KR20120036356 A 20120417	JFE STEEL CORP [JP]	JP20090172307 20090723; JP20090177465 20090730	C25D11/34; C22C38/00; C22C38/28; H01M8/02	STAINLESS STEEL FOR FUEL CELL HAVING EXCELLENT CORROSION RESISTANCE AND METHOD FOR PRODUCING SAME
KR20120024989 A 20120314	JFE STEEL CORP [JP]	JP20090177814 20090730	C22C38/00; C21D9/46; C22C38/28; H01M8/02	STAINLESS STEEL FOR FUEL CELL SEPARATORS WHICH HAS EXCELLENT ELECTRICAL CONDUCTIVITY AND DUCTILITY, AND PROCESS FOR PRODUCTION THEREOF
JP2012514297 A 20120621		KR20080135141 20081229; KR20090127397 20091218; WO2009KR07891 200912	H01M8/02; C22C38/00; C22C38/50; C22C38/54; C23C22/34; C23G1/08	STAINLESS STEEL FOR POLYMER FUEL CELL SEPARATOR AND METHOD FOR PREPARING SAME
JP2012067391 A 20120405	NISSHIN STEEL CO LTD	JP20110233450 20111024	C22C38/00; C22C38/34; C22C38/50; C23C8/14; H01M8/02; H01M8/12	STAINLESS STEEL SHEET FOR CONDUCTIVE MEMBER, EXCELLENT IN SURFACE ELECTRIC CONDUCTIVITY
KR20120055208 A 20120531	POLY ENERGY CO LTD [KR]	KR20100116813 20101123	H01M8/18; F03B13/00; H01M8/02; H01M8/04	STAND-ALONE POWER SYSTEM USING REDOX BATTERY

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DE112004001839 B4 20120531	TOYOTA MOTOR CO LTD [JP]	JP20030345331 20031003; WO2004JP14909 20041001	H01M8/04; H01M8/24; H01M8/02; H01M8/10	Stapel von Brennstoffzellen mit multidirektionaler Brennstoffströmung
DE102011107191 A1 20120126	GM GLOBAL TECH OPERATIONS INC [US]	US20100840047 20100720	H01M8/04	Stapelbetriebene Brennstoffzellenüberwachungsvorrichtung mit priorisierter Arbitrierung
CN102487144 A 20120606	HYUNDAI MOTOR CO LTD [KR]	KR20100122535 20101203	H01M8/04	Starting control device and method used for fuel cell system
JP2012038618 A 20120223	HONDA MOTOR CO LTD [JP]	JP20100178641 20100809	H01M8/04	STARTING METHOD OF FUEL CELL SYSTEM
KR20120034893 A 20120413	HYUNDAI HYSCO [KR]	KR20100096266 20101004	H01M8/06; C01B3/32; G05D7/00; H01M8/10	START-UP METHOD OF REFORMING DEVICE FOR FUEL CELL USING AUXILIARY HEAT EXCHANGER
CN102519562 A 20120627	Societe BIC	US20060644999 20061222	G01G17/04; H01M8/04	State of charge indicator and methods related thereto
WO2012024499 A1 20120223	MASSACHUSETTS INST TECHNOLOGY [US]; CHIANG YET-MING [US]; CARTER W CRAIG [US]; DUDUTA MIHAI [US]; HO BRYAN Y [US]	US20100424021P 20101216; US20100374934P 20100818	H01M8/18; H01M8/22; H01M10/052	STATIONARY, FLUID REDOX ELECTRODE
US2012003550 A1 20120105	DOOSAN HEAVY IND & CONSTR [KR]	KR20090002345 20090112; WO2009KR07975 20091230	H01M8/06; H01M8/04	STEAM GENERATOR FOR FUEL CELL WITH DUAL USE FOR HEATING FUEL ELECTRODE GAS
US2012141894 A1 20120607	CLEAREDGE POWER INC [US]	US201213353167 20120118	H01M8/06; B01J19/00; C01B3/02	STEAM REFORMER WITH RECUPERATIVE HEAT EXCHANGER

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WO2012002926 A1 20120105	UTC POWER CORP [US]; LINES MICHAEL T [US]; PRESTON JOHN L [US]	US	H01M8/06; B01D47/14; C01B3/32; G05D11/00; H01M8/10	STEAM/CARBON RATIO DETECTION AND CONTROL
KR20120041259 A 20120430	HITACHI METALS LTD [JP]	JP20090214525 20090916; JP20100145373 20100625	C22C38/00; C22C38/50; H01M8/02; H01M8/12	STEEL FOR SOLID OXIDE FUEL CELL HAVING EXCELLENT OXIDATION RESISTANCE
US2012141893 A1 20120607	CLEAREDGE POWER INC [US]	US201213353147 20120118	H01M8/06; C01B6/00	STEPPED STEAM REFORMER
DE102011105405 A1 20120216	GM GLOBAL TECH OPERATIONS INC [US]	US20100825060 20100628	H01M8/04	Steuerung der RH (relativen Feuchte) des Stapelkathodeneinlasses ohne Rückkopplung einer RH- Erfassungsvorrichtung
JP2012511239 A 20120517		US20080120478P 20081207; WO2009US66755 20091204	H01M10/42; H01M8/04; H01M10/48; H02J7/00	STIMULATION AND INTENSIFICATION OF INTERFACIAL PROCESSES
AT554507T T 20120515	MITSUBISHI MATERIALS CORP [JP]; KANSAI ELECTRIC POWER CO [JP]	JP20050041558 20050218; JP20050152711 20050525; JP20060030732 200602	H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M4/98; H01M8/12	STROMERZEUGUNGSZELLE FÜR EINE FESTELEKTROLYT- BRENNSTOFFBATTERIE UND

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DE10392474 B4 20120202	GEN MOTORS CORP [US]	US20020132058 20020425; US20020377297P 20020430; US20030418660 20030418; WO2003US12326 20030422	H01M8/02; H01M8/04; H01M8/10	Strömungsfeldplatte zur Verwendung in einer Brennstoffzelle
CN202164174U U 20120314	UNIV SOUTHERN CALIFORNIA [US]	CN20112246080U 20110713	C02F3/32; C02F3/34; H01M8/16	Structure capable of realizing ecological treatment of sewage and microbiological fuel cell electricity generation
WO2012004829 A1 20120112	TOYOTA MOTOR CO LTD [JP]; KATANO KOJI [JP]	JP	B60K1/04; B60K1/00; B60K8/00; B60L11/18; H01M8/00	STRUCTURE FOR MOUNTING FUEL CELL
JP4850980B1 B1 20120111	NGK INSULATORS LTD [JP]	JP20100160505 20100715; JP20110151489 20110708	H01M8/02; H01M8/12; H01M8/24	STRUCTURE OF FUEL BATTERY
JP2012038586 A 20120223	NGK INSULATORS LTD [JP]	JP20100177837 20100806	H01M8/24; H01M4/86; H01M8/02; H01M8/12	STRUCTURE OF FUEL CELL
JP2012038585 A 20120223	NGK INSULATORS LTD [JP]	JP20100177826 20100806	H01M8/02; H01M4/86; H01M8/12; H01M8/24	STRUCTURE OF FUEL CELL
JP2012038583 A 20120223	NGK INSULATORS LTD [JP]	JP20100177821 20100806	H01M8/02; H01M8/12	STRUCTURE OF FUEL CELL
JP2012069447 A 20120405	TOYOTA MOTOR CO LTD [JP]	JP20100214719 20100927	H01M8/02; H01M8/10	STRUCTURE OF GAS PASSAGE AND FUEL CELL WITH GAS PASSAGE OF THIS STRUCTURE

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CN102456904 A 20120516	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101524792 20101029	H01M8/18; H01M2/18; H01M8/02	Structure of liquid-flow energy storage cell
US2012141916 A1 20120607	SULZER HEXIS AG [CH]	US201213346607 20120109; EP20020405163 20020304; US20030355624 20030	H01M4/86; H01M8/12; H01M4/04; H01M4/88; H01M8/00	Structured Body for an Anode Used in Fuel Cells
US2012129068 A1 20120524	SAINT GOBAIN CERAMICS [US]	US201113298224 20111116; US20100458008P 20101116	H01M4/86; B32B37/14; H01M8/24	SUBSTANTIALLY FLAT SINGLE CELLS FOR SOFC STACKS
JP2012508320 A 20120405		FR20080057664 20081112; WO2009EP65080 20091112	B22F5/10; B22F3/11; B22F3/24; B22F5/00; B22F7/06; C23C8/12; H01M8/02	SUBSTRAT EN METAL OU ALLIAGE METALLIQUE POREUX, SON PROCEDE DE PREPARATION, ET CELLULES D'EHT OU DE SOFC A METAL SUPPORT COMPRENANT CE SUBSTRAT
JP2012009353 A 20120112	NORITAKE CO LTD	JP20100145493 20100625	H01M4/96; H01M4/88	SUBSTRATE FOR GAS DIFFUSION ELECTRODE, METHOD FOR MANUFACTURING THE SAME AND MEMBRANE ELECTRODE ASSEMBLY
CN102456892 A 20120516	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	CN20101524793 20101029	C08J5/22; C08J7/12; C08L25/06; C08L27/12; C08L61/16; C08L81/06; H01M2/16; H01M8/02	Sulfonamide anion-exchange membrane for fuel cell and preparation method thereof

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WO2012008753 A2 20120119	INST SCIENCE & TECH KWANGJU [KR]; LEE JAE-SUK [KR]; KIM YOUNG JEA [KR]; SON HYO KYEONG [KR]; KIM DA YOUNG [KR]; KO UN [KR]	KR20100068481 20100715	C08G65/34; C08G61/12; C08G75/23; H01M8/10	SULFONATED POLY(ARYLENE ETHER) COPOLYMER HAVING A CROSS-LINKABLE STRUCTURE, AND POLYELECTROLYTE MEMBRANE COMPRISING SAME
JP2012051857 A 20120315	SUMITOMO SEIKA CHEMICALS [JP]	JP20100197540 20100903	C07C317/18; H01G9/038	SULFONE COMPOUND
US2012129267 A1 20120524	FUELCELL ENERGY INC [US]	US20100951679 20101122	G01N33/22; G01N31/10; H01M8/06	SULFUR BREAKTHROUGH DETECTION ASSEMBLY FOR USE IN A FUEL UTILIZATION
WO2012016779 A1 20120209	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]; FEDURCO MILAN [FR]	FR20100056439 20100804	C07C317/14; C07C323/66; C08G75/24; H01M8/02; H01M8/10	SULPHUR-CONTAINING AND SULPHONE-CONTAINING AROMATIC PERFLUOROALKANE MONOMER
WO2012016778 A1 20120209	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]; FEDURCO MILAN [FR]	FR20100056438 20100804	H01M8/10; B01D67/00; B01D71/62; C07D251/24; C08G73/06; C08J5/22	SULPHUR-CONTAINING TRIAZINE MONOMER THAT CAN BE USED FOR THE SYNTHESIS OF A POLYMER MEMBRANE FOR A FUEL CELL
ES2373031T T3 20120130	BIC SOC [FR]	US20030725244 20031201; WO2004US39241 20041124	H01M8/00; F16K15/02; F16K15/18; F16L29/02; H01M8/04	SUMINISTRO DE COMBUSTIBLE.

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JP2012114033 A 20120614	KYOCERA CORP [JP]	JP20100263824 20101126	H01M8/02; H01M8/12; H01M8/24	SUPPORT MEDIUM FOR FUEL BATTERY, FUEL BATTERY CELL, FUEL BATTERY CELL DEVICE, FUEL BATTERY MODULE, AND FUEL BATTERY DEVICE
JP2012069438 A 20120405	CATALER CORP; TOYOTA MOTOR CORP	JP20100214472 20100924	H01M4/92; B01J23/42; H01M4/88	SUPPORTED CATALYST FOR FUEL CELL, METHOD FOR PRODUCING THE SAME AND FUEL CELL
EP2446494 A1 20120502	UNIV THE WESTERN CAPE [ZA]	WO2010IB51372 20100330; ZA20090004250 20090618	H01M4/88; C25B11/04; H01M4/92; H01M4/96; H01M8/10	SUPPORTED CATALYSTS
JP4955178B2 B2 20120620		AU2000PQ06537 20000328; WO2001AU00345 20010328	B32B15/01; C22C19/03; C22C5/06; C23C26/00; C23C28/00; C23C28/02; H01B1/02; H01B5/02; H01M4/38; H01M4/66; H01M8/02; H01M8/12	SURFACE TREATED ELECTRICALLY CONDUCTIVE METAL ELEMENT AND METHOD OF FORMING SAME
JP2012001724 A 20120105	DAIKIN IND LTD [JP]	JP20110163261 20110726	C09K3/18; C08F20/22; C09K3/10; C09K21/14	SURFACE-TREATMENT AGENT USING FLUORINE-CONTAINING SILSESQUIOXANE POLYMER
KR20120054327 A 20120530	HYUNDAI MOTOR CO LTD [KR]	KR20100115652 20101119	H01M8/04; B60L11/18; G05D7/00	SYTEM AND METHOD FOR SUPPLY COOLING WATER OF FUEL CELL SYSTEM

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CN102487145 A 20120606	HYUNDAI MOTOR CO LTD [KR]	KR20100121130 20101201	H01M8/04	System and method for controlling operation of fuel cell hybrid system
US2012082913 A1 20120405	SEARETE LLC [US]	US20100925890 20101101; US20100924704 20101001; US20100924753 20101004	H01M8/04	System and method for determining a state of operational readiness of a fuel cell backup system of a nuclear reactor system
WO2012044347 A1 20120405	SEARETE LLC [US]; HYDE RODERICK A [US]; TEGREENE CLARENCE T [US]; WALTER JOSHUA C [US]	US20100925940 20101102; US20100925890 20101101; US20100924753 20101004; US20100924704 20101001	H01M8/00	SYSTEM AND METHOD FOR DETERMINING A STATE OF OPERATIONAL READINESS OF A FUEL CELL BACKUP SYSTEM OF A NUCLEAR REACTOR SYSTEM
KR20120020686 A 20120308	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100084458 20100831	B60L3/00; B60L11/18; H01M8/04	SYSTEM AND METHOD FOR EMERGENCY STARTUP OF FUEL CELL VEHICLE
EP2469686 A1 20120627	RESEARCH IN MOTION LTD [CA]	EP20100196733 20101223	H02J7/34; H01M8/04	System and method for hot-swapping of power sources in portable elec
US2012082912 A1 20120405	SEARETE LLC [US]	US20100924753 20101004; US20100924704 20101001	H01M8/04	System and method for maintaining and establishing operational readiness in a fuel cell backup system of a nuclear reactor system
US2012082911 A1 20120405	SEARETE LLC [US]	US20100924704 20101001	H01M8/04	System and method for maintaining and establishing operational readiness in a fuel cell backup system of a nuclear reactor system

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US8202655 B1 20120619	CLEAREDGE POWER INC [US]	US201213367949 20120207; US20070986271 20071119	H01M8/04	SYSTEM AND METHOD FOR OPERATING A HIGH TEMPERATURE FUEL CELL
KR20120060609 A 20120612		KR20100122204 20101202	H01M8/04; B63H21/17; B63H21/21; F16K31/00	SYSTEM AND METHOD FOR OPERATING FUEL CELL OF EMERGENCY STATE
WO2012023925 A1 20120223	UTC POWER CORP [US]; RAMASWAMY SITARAM [US]; MARGIOTT PAUL R [US]; HANRAHAN PAUL R [US]; KAMAT MITHUN [US]	US	H01M8/04; F28D15/00; G01R31/36; H01M8/12; H01M8/14	SYSTEM AND METHOD FOR THERMAL PRIORITY OPERATION OF A FUEL CELL POWER PLANT
JP2012505629 A 20120301		US20080103527P 20081007; US20090233104P 20090811; WO2009US59898 20091007	H02J15/00; B60L11/18; H01M2/10; H01M8/00; H01M8/20	SYSTEM AND METHOD FOR TRANSPORTING ENERGY

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KR20120029439 A 20120326	SEARETE LLC [US]	US20090455015 20090526; US20090455016 20090526; US20090455019 20090526; US20090455020 20090526; US20090455023 20090526; US20090455025 20090526; US20090455031 20090526; US20090455034 20090526; US20090455036 20090526; US20090455037 20090526	H01M8/18; H01G9/004; H01M8/04; H01M10/50	SYSTEM AND METHOD OF ALTERING TEMPERATURE OF AN ELECTRICAL ENERGY STORAGE DEVICE OR AN ELECTROCHEMICAL ENERGY GENERATION DEVICE USING HIGH THERMAL CONDUCTIVITY MATERIALS
KR20120047323 A 20120511	HYUNDAI MOTOR CO LTD [KR]	KR20100107767 20101101	H01M8/04; B60L11/18; H01M8/10	SYSTEM FOR ACTIVATING FUEL CELL STACK
EP2436074 A1 20120404	BELENOS CLEAN POWER HOLDING AG [CH]	WO2010EP57260 20100526; EP20090161304 20090527; EP20100724023 201005	H01M8/04	SYSTEM FOR BYPASSING THE CELLS OF A FUEL CELL

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WO2012085307 A1 20120628	ABENGOA HIDROGENO S A [ES]; PEREZ VEGA-LEAL ALFREDO [ES]; BREY SANCH	ES20100031928 20101223	H01M8/02; H01M8/04; H01M8/10	SYSTEM FOR GENERATING DIRECT CURRENT
KR101134386B B1 20120409	HYUNDAI MOTOR CO LTD [KR]	KR20100113043 20101112	F17C13/02; G01R31/36; H01M8/04	SYSTEM FOR PREVENTING CONTAMINATED HYDROGEN FILLING OF FUEL CELL VEHICLE
WO2012043994 A2 20120405	KOREA ENVIRONMENT CORP [KR]; LEE JONG YEON [KR]; BAE MIN SU [KR]; LEE JONG GYU [KR]; MOON OK HWAN [KR]; KIM YOUNG JUN [KR]	KR20100093169 20100927	H01M8/06; B01D53/52; B01D53/72; H01M8/10	SYSTEM FOR PRODUCING A POLYMER ELECTROLYTE FUEL CELL USING BIOGAS AS FUEL, AND METHOD FOR CONTROLLING SAME
WO2012000744 A1 20120105	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]; DELFINO ANTONIO [FR]	FR20100055215 20100629	H01M8/06; B60L11/18; C25B1/04; C25B1/14; C25B1/26; H01M8/00; H01M8/04	SYSTEM FOR PRODUCING AND SUPPLYING HYDROGEN AND SODIUM CHLORATE, COMPRISING A SODIUM CHLORIDE ELECTROLYSER FOR PRODUCING SODIUM CHLORATE
WO2012020288 A2 20120216	GIACOMINI SPA [IT]	IT2010CO00037 20100726	F23C99/00; F23C13/00; H01M8/02	SYSTEM FOR PRODUCING ENERGY FROM HYDROGEN, IN PARTICULAR FOR RESIDENTIAL BUILDINGS
JP2012072819 A 20120412	RAILWAY TECHNICAL RES INST	JP20100217144 20100928	F17C9/02; B60L11/18; F17C13/00; H01M8/00; H01M8/04	SYSTEM FOR SUPPLYING HYDROGEN FOR FUEL TO FUEL CELL VEHICLE

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US2012009494 A1 20120112	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	TW20100122237 20100706	H01M8/04	SYSTEM OF A PLURALITY OF SERIES-CONNECTED CONVERTER DEVICES FOR A FUEL CELL APPARATUS AND METHOD FOR CONTROLLING THE SYSTEM
US2012028079 A1 20120202	UNIV BEN GURION [IL]	US20090149707P 20090204; WO2010IL00099 20100204; US201013138351 20100204	H01M8/16; H01M4/86	Systems and method for bio-electricity production
US2012088171 A1 20120412	LDATECH LLC [US]	US201113316245 20111209; WO2010US38387 20100611; US20090186732P 20090612	H01M8/04	SYSTEMS AND METHODS FOR INDEPENDENTLY CONTROLLING THE OPERATION OF FUEL CELL STACKS AND FUEL CELL SYSTEMS INCORPORATING THE SAME
US2012088168 A1 20120412	IDATECH LLC [US]	US20100901987 20101011	H01M8/06	SYSTEMS AND METHODS FOR MAINTAINING HYDROGEN-SELECTIVE MEMBRANES DURING PERIODS OF INACTIVITY
AU2010313457 A1 20120607	GLOBAL FRESH FOODS	US20090275720P 20091030; US20090256868P 20091030; WO2010US54421 2010	A23B4/16; A23L3/00; A23L3/3418; B65B55/02; H01M8/00	Systems and methods for maintaining perishable foods
WO2012087454 A1 20120628	JD HOLDING INC [KY]; VINCENT COLIN EARL MACKENZIE [CA]; LEPP GARY [CA]	US20100975709 20101222	H01M8/18; H01M8/04	SYSTEMS AND METHODS FOR REDOX FLOW BATTERY SCALABLE MODULAR REACTANT

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US2012028155 A1 20120202	IDATECH LLC [US]	US201113267675 20111006; US20070755608 20070530	H01M8/04	SYSTEMS AND METHODS FOR STARTING AND OPERATING FUEL CELL SYSTEMS IN SUBFREEZING TEMPERATURES
KR20120028927 A 20120323	SHELL INT RESEARCH [NL]	US20090187526P 20090616	H01M8/04; H01M8/06; H01M8/14	SYSTEMS AND PROCESSES FOR OPERATING FUEL CELL SYSTEMS
KR20120028926 A 20120323	SHELL INT RESEARCH [NL]	US20090187550P 20090616	H01M8/04; H01M8/06; H01M8/14	SYSTEMS AND PROCESSES OF OPERATING FUEL CELL SYSTEMS
EP2443690 A1 20120425	SHELL OIL CO [US]; SHELL INT RESEARCH [NL]	WO2010US38492 20100614; US20090187539P 20090616	H01M8/18	SYSTEMS AND PROCESSES OF OPERATING FUEL CELL SYSTEMS
US2012070761 A1 20120322	GM GLOBAL TECH OPERATIONS INC [US]	US20100887792 20100922	H01M8/04	TAPERED ANODE HEADER INSERT FOR STARTUP HYDROGEN DISTRIBUTION
JP2012048928 A 20120308	FUJIKURA LTD	JP20100189061 20100826	H01M8/04	TEMPERATURE CONTROL DEVICE FOR FUEL CELL
JP2012092007 A 20120517	TEXACO DEVELOPMENT CORP	US20030407260 20030404	C01B3/38; F23N3/00; F23N5/02; G05D23/19; H01M8/04; H01M8/06	TEMPERATURE CONTROL IN COMBUSTION PROCESS
KR20120032345 A 20120405	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100093941 20100928	H01M8/04; B60L11/18; F16K11/00; F25D17/00	TEMPERATURE CONTROL VALVE OF COOLANT FOR FUEL CELL VEHICLE
US2012107704 A1 20120503	KIA MOTORS CORP [KR]; HYUNDAI MOTOR CO LTD [KR]	KR20100108063 20101102	H01M8/06	TEMPERATURE-SENSITIVE BYPASS DEVICE FOR DISCHARGING CONDENSED WATER

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JP4930659B2 B2 20120516		JP	H01M8/04	TERMINAL DEVICE FOR CELL VOLTAGE MEASUREMENT OF A FUEL CELL
KR20120067632 A 20120626	KOREA ATOMIC ENERGY RES [KR]; KOREA ENERGY RESEARCH INST [KR]	KR20100129158 20101216	H01M8/12; B82B3/00; H01M4/88; H01M8/02	THE CATHODE OF SOFC INCLUDING SILVER NANOPARTICLES COATED WITH CARBO
KR20120027875 A 20120322	KOREA INST SCI & TECH [KR]	KR20100089687 20100913	H01M8/12; H01B1/08; H01M4/86; H01M8/02	THE FABRICATION METHOD FOR ELETRODE DEVICE COMPRISING ANODE SUPPORTER AND ELECTROLYTE FOR ANODE-SUPPORTED SOFC BY USING SINTERING ADDITIVE AND CO-FIRING
KR20120033227 A 20120406	IAC IN NAT UNIV CHUNGNAM [KR]	KR20100073672 20100729	C01B3/08; C01B3/52; F23D14/28; H01M8/06	THE MANUFACTURING METHOD OF HIGH PRODUCTION RATE AND MASS PRODUCTION OF HYDROGEN FROM THE STORED HYDROGEN IN WATER USING AMPHOTERIC METALS AND ALLOYS
KR20120002507 A 20120105	ELCHEM TECH CO LTD [KR]; MOON SANG BONG [KR]	KR20110123157 20111123	C25B11/08; C25B1/02; C25B11/03; H01M8/02	THE MICRO-SIZE HOLLOW SPHERE ELECTRODE
KR20120030733 A 20120329	HYUNDAI ROTEM CO [KR]	KR20100092435 20100920	H01M12/06; G09F9/35; H01M2/10; H01M8/06	THE ZINC AIR FUEL CELL TO BE ABLE TO USE CONTINUOUSLY
JP2012028013 A 20120209	TORAY INDUSTRIES [JP]	JP20100162481 20100720	H01M8/02; C08G18/48; H01B1/06; H01B13/00	THERMAL CROSSLINKABLE POLYMER ELECTROLYTE MATERIAL, AND METHOD OF MANUFACTURING POLYMER ELECTROLYTE FILM USING THE SAME

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US2012028140 A1 20120202	GM GLOBAL TECH OPERATIONS INC [US]	US20100844664 20100727	H01M8/06	THERMAL HYDROGEN COMPRESSOR
KR20120032282 A 20120405	HYUNDAI MOTOR CO LTD [KR]	KR20100093851 20100928	H01M8/04; B60L11/18; F16K11/00; G01R31/36	THERMAL MANAGEMENT SYSTEM FOR FUEL CELL VEHICLE MAINTAINING ELECTRICAL CONDUCTIVITY AND HEATING CAPACITY
CN102496730 A 20120613	SUNRISE POWER CO [CN]	CN20111379850 20111124	H01M8/04; H01M8/02	Thermal management system for low temperature starting of fuel cell power generation system and method thereof
JP2012514312 A 20120621		US20080204035P 20081231; WO2009US69728 20091229	H01M8/02; H01M4/86; H01M4/88; H01M8/12	THERMAL SHOCK-TOLERANT SOLID OXIDE FUEL CELL STACK
DE102011101786 A1 20120202	GM GLOBAL TECH OPERATIONS INC [US]	US20100784882 20100521	H01M8/02	Thermische Barriere für Endzellen mit variablen Eigenschaften
CN102437359 A 20120502	Harbin Institute of Technology	CN20111421032 20111215	H01M8/12; H01M4/86; H01M8/04	Thermoelectric cogeneration system of flame-type solid oxide fuel cells
CN102484269 A 20120530	BOEING CO [US]	WO2010US42387 20100719; US20090550131 20090828	H01M8/04; H01M8/12	Thermoelectric generator and fuel cell for electric power co-generation
US8124296 B1 20120228	GLOBAL ENERGY SCIENCE LLC [US]	US201113174686 20110630; US20100388359P 20100930	H01M8/02	Thick electrode direct reaction fuel cells utilizing cross- flows and taylor vortex flows

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AU2010280356 A1 20120405	LAM BA ENGINEERING & CONSULTING S R L [IT]	IT2009TO00626 20090807; WO2010IB53585 20100809	B01J21/08; B01J23/755; B01J23/89; C01B3/00; H01M4/38; H01M8/04	Thin nano structured layers with high catalytic activity on nickel or nickel alloy surfaces and process for their preparation
US2012064416 A1 20120315	INST SCIENCE & TECH KWANGJU [KR]	KR20090052519 20090612; WO2010KR03663 20100608	H01M8/16	THREE ELECTRODE TYPE OF MICROBIAL FUEL CELL AND A METHOD FOR OPERATING THE SAME
CN102437358 A 20120502	University of Science and Technology of China	CN20111390933 20111130	H01M8/10; H01M8/02	Three-layered structured oxide fuel cell supported by stainless steel and preparation method thereof
ES2373269T T3 20120201	COMMISSARIAT ENERGIE ATOMIQUE [FR]	FR20080002032 20080414	H01M8/12; C01G23/00; C01G51/00; C01G53/00	TITANATOS DE ESTRUCTURA PEROVSKITA O DERIVADOS Y SUS APLICACIONES.
JP2012513655 A 20120614		US20080140301P 20081223; WO2009GB51773 20091223	H01M4/86; H01M4/88; H01M4/90; H01M4/92	TITANIUM COMPOSITE ELECTRODES AND METHODS THEREFORE
WO2012011201 A1 20120126	KOBE STEEL LTD [JP]; SUZUKI JUN; SATO TOSHIKI	JP20100163404 20100720	H01M8/02	TITANIUM FUEL CELL SEPARATOR
WO2012011200 A1 20120126	KOBE STEEL LTD [JP]; SUZUKI JUN; SATO TOSHIKI	JP20100163403 20100720	H01M8/02	TITANIUM FUEL CELL SEPARATOR
KR20120042874 A 20120503	NIPPON STEEL CORP [JP]	JP20090180885 20090803	H01M8/02; C23C28/04; H01M8/10	TITANIUM MATERIAL FOR SOLID POLYMER FUEL CELL SEPARATOR, AND PROCESS

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JP4868366B2 B2 20120201		JP20050041427 20050217; WO2005JP17013 20050915; JP20070503572 20050915	C01G23/00; B01J21/06; B01J23/20; B01J23/22; B01J23/26; B01J23/30; B01J23/75; B01J35/02; C01G23/04; H01L31/04; H01L51/42; H01M14/00	TITANIUM OXIDE NANOTUBE AND PROCESS FOR PRODUCING THE SAME
CN102388494 A 20120321	TOYOTA JIDOSHOKKI KK [JP]	WO2010IB00561 20100318; JP20090099094 20090415	H01M8/02; C22F1/00; C22F1/18	Titanium-based material, method of manufacturing titanium-based material, and fuel cell separator
CN102332593 A 20120125	Shanghai Zhongyao Technology Development Co., Ltd.	CN20111236864 20110818	H01M8/10; H01M8/04	Totally enclosed type power supply system for mine escape capsule
CN202189866U U 20120411	SHANGHAI ZHONGYAO TECHNOLOGY DEV CO LTD	CN20112300256U 20110818	H01M8/10; H01M8/04	Totally-enclosed type power supply system for mine escape capsule
US2012068661 A1 20120322	FRACAS PAOLO [IT]	IT2009MI00907 20090521; WO2010EP56998 20100520	H02J7/00; H01L31/042; H01M8/06	TRANSPORTABLE ELECTRICITY GENERATION UNIT AND METHOD FOR GENERATING ELECTRICITY USING SAID UNIT

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JP2012072395 A 20120412	NIPPON NYUKAZAI CO LTD	JP20100192895 20100830; JP20110188012 20110830	C09K3/16; B01D53/14; B01F17/42; C08F2/26; C08K5/42; C08K5/521; C08L101/00; C09K3/00; C10M105/70; C10M105/72; C10M105/74; C10M159/12; H01G9/035; H01G9/038	TREATING AGENT
WO2012016777 A1 20120209	MICHELIN SOC TECH [FR]; MICHELIN RECH TECH [CH]; FEDURCO MILAN [FR]; DELFINO ANTONIO [FR]	FR20100056437 20100804	C08G73/06; C08G75/02; C08G75/20; C08G75/23; C08J5/22; C08L79/04; C08L81/02; C08L81/06; H01M8/10	TRIAZINE POLYMER THAT CAN BE USED AS MEMBRANE IN A FUEL CELL
WO2012036347 A1 20120322	LG CHEMICAL LTD [KR]; CHOI SEONG HO [KR]; KIM HYUK [KR]; LEE SANGWOO [KR]; NOH TAE GEUN [KR]; KIM JI SOO [KR]	KR20100090221 20100914	C08G61/00; C08F293/00; C08F301/00; H01M8/10	TRIBLOCK COPOLYMER, AND ELECTROLYTE MEMBRANE PREPARED THEREFROM
KR20120066415 A 20120622	KCERACELL [KR]	KR20100127753 20101214	H01M8/12; H01M4/88;	TUBE-TYPE UNIT CELL FOR SOLID OXIDE FUEL CELL AND STACK USING UNIT C

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			H01M8/02	
EP2422396 A1 20120229	LEONARDIS STIFTUNG [DE]; PVR PATENTVERWALTUNG GMBH [DE]	DE	H01M8/20; H01M4/76; H01M4/86; H01M8/18; H01M8/24; H01M10/39	TUBULAR APPARATUS FOR USE IN ENERGY CONVERSION
AU2010297027 A1 20120315	ITM POWER RESEARCH LTD [GB]	GB20090016179 20090916; WO2010GB51548 20100915	C25B9/08; C25B9/10; C25B9/18; H01M8/00; H01M8/10; H01M8/24	Tubular electrochemical cell
CN102306818 A 20120104	Xi'an Jiaotong University	CN20111241948 20110823	H01M8/10; H01M8/04; H01M8/06	Tubular solid oxide fuel cell stack structure and preheating method thereof
EP2446493 A1 20120502	SIEMENS ENERGY INC [US]	WO2010US39310 20100621; US20090490512 20090624	H01M4/86; H01M8/00; H01M8/02; H01M8/12; H01M8/24	TUBULAR SOLID OXIDE FUEL CELLS WITH POROUS METAL SUPPORTS AND CERAMI
DK1624520T T3 20120102	TOPSOE FUEL CELL AS [DK]	DK20020000472 20020327; EP20030005107 20030307	H01M8/02; H01M8/12; C23F1/02; H01M8/24	Tyndfilmfastoxidbrændselscelle (SOFC) og fremgangsmåde til fremstilling heraf
AT551743T T 20120415	SIEB & MEYER AG [DE]	DE200710010392 20070303	H01M8/04	ÜBERBRÜCKUNG EINES NETZAUSFALLS BEI EINER BRENNSTOFFZELLENANLAGE
JP2012512519 A 20120531		US20080203105P 20081217; WO2009US68084 20091215	H01M8/02; H01M8/12	Uniform Gas Distribution Through Channels of SOFC

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KR20120040417 A 20120427	POSCO [KR]	KR20100101823 20101019	H01M8/12; C04B35/00; C04B38/10; H01M8/02	UNIT CELL FOR FUEL CELL AND MANUFACTURING METHOD THEREOF
KR20120040416 A 20120427	POSCO [KR]	KR20100101822 20101019	H01M8/12; C04B38/00; H01M8/02	UNIT CELL FOR FUEL CELL AND MANUFACTURING METHOD THEREOF
KR20120033804 A 20120409	POSCO [KR]; RES INST IND SCIENCE & TECH [KR]	KR20100095522 20100930	H01M8/12; H01B1/08; H01M8/02	UNIT CELL FOR FUEL CELL AND MANUFACTURING METHOD THEREOF
KR20120040384 A 20120427	POSCO [KR]	KR20100101762 20101019	H01M8/12; C04B35/01; H01M8/02	UNIT CELL FOR SOLID OXIDE FUEL CELL AND MANUFACTURING METHOD THEREOF
KR101151868B B1 20120531	KOREA ENERGY RESEARCH INST [KR]	KR20120019749 20120227	H01M8/12; H01M8/02; H01M8/24	UNIT CELL OF SOLID OXIDE FUEL CELL AND SOLID OXIDE FUEL CELL USING T
CN102463882 A 20120523	GM GLOBAL TECH OPERATIONS INC [US]	US20100411614P 20101109; US201113229926 20110912	B60K1/04; B62D25/00; H01M8/02; H01M10/02	Using elastic averaging for alignment of battery stack, fuel cell stack, or other vehicle assembly
JP2012026506 A 20120209	JTEKT CORP	JP20100165234 20100722	F16K31/04; F16K31/53; F17C13/04	VALVE DEVICE
US2012122005 A1 20120517	TOYOTA MOTOR CO LTD [JP]	US201213357925 20120125; JP20060331304 20061208; US20090445493 20090	H01M8/04	VALVE FOR FUEL CELL, AND FUEL CELL VEHICLE

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JP2012506985 A 20120322		GB20080019940 20081030; WO2009GB02584 20091030	F16K31/70; F16K27/00; F16K31/02	Valve
EP2436961 A1 20120404	MURATA MANUFACTURING CO [JP]	WO2010JP58797 20100525; JP20090125836 20090525	F16K31/126; F16K7/17; F16K17/28; H01M8/04	VALVE, FLUID APPARATUS AND FLUID SUPPLY APPARATUS
CN102376971 A 20120314	Hunan V-power New Energy Co., Ltd.	CN20101258182 20100818	H01M8/18	Vanadium electrolyte of battery and preparation method thereof
CN102394281 A 20120328	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20111376913 20111122	H01M2/08; H01M2/16; H01M8/24	Vanadium flow cell seal ring and ionic membrane integrated assembly and electric pile
JP2012054035 A 20120315	ABE TOMOMI	JP20100194228 20100831	H01M10/36; H01M2/16; H01M2/18; H01M4/38; H01M10/38	VANADIUM ION BATTERY
CN202221796U U 20120516	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20112337900U 20110909	H01M8/02; H01M8/24	Vanadium liquid flow battery box plate and vanadium liquid flow electric-pile made of box plate
CN102361093 A 20120222	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20111327878 20111025	H01M8/24	Vanadium redox battery stacking method and vanadium redox battery stacking device
CN102315465 A 20120111	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20111222723 20110804	H01M8/04	Vanadium redox flow battery control system based on PLC, control method and control device thereof
CN202196831U U 20120418	SHENZHEN JINFAN ENERGY TECHNOLOGY CO LTD	CN20112282268U 20110804	H01M8/04	Vanadium redox flow battery control system based on programmable logic controller (PLC) and control equipment of vanadium redox flow battery control system

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CN102427139 A 20120425	SHANGHAI MUNICIPAL ELEC POWER; SHANGHAI RUILI AUTOMATION COMPLETE SET EQUIPMENT CO LTD	CN20101576825 20101207	H01M8/04	Vanadium redox flow battery energy storage monitoring system and control method thereof
CN102324535 A 20120118	Shenzhen Jinfan Energy Technology Co.,Ltd.	CN20111266829 20110909	H01M8/02; H01M8/24	Vanadium redox flow battery integrated frame board and preparation method thereof and electric pile prepared by the frame board
KR20120032629 A 20120406	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100094054 20100929	H01M8/04; B60L11/18; F01P5/10; F04D1/00	VAPOR EXHAUST DEVICE FOR WATER PUMP
US2012088173 A1 20120412	DARLING ROBERT MASON [US]	US	H01M8/04	VARIABLE AIR UTILIZATION INCREASES FUEL CELL MEMBRANE DURABILITY
DE102011013632 A1 20120510	GM GLOBAL TECH OPERATIONS INC [US]	US20100725771 20100317	H01M8/04	Variabler Anodendurchfluss zur Inbetriebnahme eines Brennstoffzellen
JP2012035744 A 20120223	TOYOTA MOTOR CO LTD [JP]	JP20100177383 20100806	B60K8/00; B60K1/04; B60L11/18; B60L15/00; H01M8/00	VEHICLE
WO2012086355 A1 20120628	NISSAN MOTOR [JP]; SUZUKI KEISUKE; NAKAJIMA YUKI; UEDA NAOKI	JP20100286885 20101224	B60H1/03; B60H1/22; H01M8/04	VEHICLE CONTROL DEVICE AND CONTROL METHOD
CN102484270 A 20120530	DAIMLER AG [DE]	WO2010EP04201 20100709; DE200910039364 20090829	H01M8/04; B60H1/00; B60K11/04; B60L11/18;	Vehicle having at least one cooling circuit for cooling a fuel cell system

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			F28D1/00	
CN102324536 A 20120118	Zhejiang Geely Automobile Institute Co., Ltd.;Zhejiang Geely International Corporation	CN20111210365 20110726	H01M8/04	Vehicle proton exchange membrane fuel cell (PEMFC) pressure control system
WO2012014568 A1 20120202	SUZUKI MOTOR CORP [JP]; MURAKAMI TAKANORI [JP]; MATSUMOTO SHIRO [JP]; OHTA TOHRU [JP]	JP20100166833 20100726	B60K11/06; B60K1/04; B60K8/00; B60K11/04; B60K13/04; B60L11/18; H01M8/00; H01M8/04; H01M8/10	VEHICLE WITH AIR-COOLED FUEL CELL STACK
AT557446T T 20120515	NGK INSULATORS LTD [JP]	JP20090256537 20091109	H01M8/24; H01M8/02	VERBINDUNGSELEMENT
AT551748T T 20120415	3M INNOVATIVE PROPERTIES CO [US]	US20020295292 20021115; WO2003US32651 20031014	H01M8/24; H01M8/02	VEREINIGTE BRENNSTOFFZELLENBAUGRUPPE
DE102010054199 A1 20120614	DAIMLER AG [DE]	DE201010054199 20101211	H01M8/10	Verfahren und Vorrichtung zur Herstellung einer Membran- Elektroden-A
DE102010054198 A1 20120614	DAIMLER AG [DE]	DE201010054198 20101211	H01M8/10	Verfahren und Vorrichtung zur Herstellung einer Membran- Elektroden-A

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AT540745T T 20120115	AMMINEX AS [DK]	DK20060000999 20060720; WO2007EP06447 20070719	B01D53/90; B01D53/94; C01C1/02; F01N3/20; H01M8/04; H01M8/06; H01M8/22	VERFAHREN UND VORRICHTUNG ZUR SPEICHERUNG UND LIEFERUNG VON AMMONIAK AUS EINEM FESTEN AMMONIAKSPEICHERMEDIUM
AT538507T T 20120115	RELION INC [US]	US20020056543 20020123; WO2002US32885 20021015	H01M8/04	VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG EINES ERSATZREIHENWIDERSTANDS UND ZUM SHUNTEN EINER BRENNSTOFFZELLE
DE10295887 B4 20120301	UTC FUEL CELLS LLC N D GES D STAATES DELAWARE [US]	US20010770042 20010125; WO2002US00638 20020108	H01M8/04; H01M8/10; H01M8/00	Verfahren zum Abschalten eines Brennstoffzellensystems mit einer Anodenabgas-Rückführungsschleife
AT555512T T 20120515	BDF IP HOLDINGS LTD [CA]	US19990406318 19990927	H01M8/04; H01M8/10	VERFAHREN ZUM ABSCHALTEN EINES STROMERZEUGUNGSSYSTEMS
AT540444T T 20120115	AVL LIST GMBH [AT]	AT20090001115 20090716; WO2010EP60214 20100715	H01M8/04; H01M8/06	VERFAHREN ZUM BETRIEB EINER HOCHTEMPERATUR- BRENNSTOFFZELLE
DE102010050901 A1 20120510	ENYMOTION GMBH [DE]	DE201010050901 20101110	H01M8/06	Verfahren zum Betrieb eines Brennstoffzellensystems
DE102010053572 A1 20120606	ENYMOTION GMBH [DE]	DE201010053572 20101206	H01M8/06; H01M8/04	Verfahren zum Betrieb eines Brennstoffzellensystems und Brennstoffze
DE112004001452 B4 20120329	GEN MOTORS CORP [US]	US20030637832 20030808; WO2004US24225 20040728	H01M8/04	Verfahren zum Entlüften einer Brennstoffzelle

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AT551746T T 20120415	IRD FUEL CELLS AS [DK]	US20080058617P 20080604; WO2009EP56870 20090604	H01M8/04; H01M8/10	VERFAHREN ZUM FROSTSCHUTZ IN EINER DIREKTMETHANOL-BRENNSTOFFZELLE
DE102011014833 A1 20120405	GM GLOBAL TECH OPERATIONS INC [US]	US20100731216 20100325	H01M8/10	Verfahren zum Herstellen einer Membran-Elektroden- Anordnung und Membran-Elektroden-Anordnung
AT545164T T 20120215	MICRONAS GMBH [DE]	EP20080012393 20080709; WO2008EP10477 20081210	H01M8/10; B01D67/00; B01D69/12; B01D71/38; C08J5/22	VERFAHREN ZUM HERSTELLEN EINER PROTONENLEITFÄHIGEN, STRUKTURIERTEN ELEKTROLYTMEMBRAN
AT551740T T 20120415	TOYOTA MOTOR CO LTD [JP]; HELMHOLTZ ZENT B MAT & ENERG [DE]	JP	H01M4/86; H01M4/88; H01M4/90; H01M4/92; H01M8/10	VERFAHREN ZUM HERSTELLEN EINES BRENNSTOFFZELLENELEKTRODENKATALYSATORS UND FESTPOLYMER-BRENNSTOFFZELLE
AT554356T T 20120515	LOURENCO JOSE [CA]; MILLAR MACKENZIE [CA]	CA20062569006 20061120; WO2007CA02062 20071120	F25J1/02; B01D53/00; F25J3/06; F28D1/06; F28D7/00; F28D7/08; H01M8/10	VERFAHREN ZUM KONDENSIEREN UND RÜCKGEWINNEN VON KOHLENDIOXID AUS BRE

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AT549082T T 20120315	IDEMITSU KOSAN CO [JP]	JP20010094813 20010329; JP20010234349 20010802; JP20010253995 20010824; JP20020009876 20020118; JP20020065076 20020311	B01J23/34; B01J21/04; B01J23/40; B01J23/46; B01J23/58; B01J23/63; B01J23/656; B01J23/755; B01J23/78; B01J23/889; B01J23/89; B01J37/02; C01B3/40; H01M8/06	VERFAHREN ZUM REFORMIEREN EINES KOHLWASSERSTOFFES
AT552623T T 20120415	SIEMENS AG [DE]	EP20080013520 20080728; WO2009EP58732 20090709	H01M8/04; H01M8/10; H01M8/24	VERFAHREN ZUM REINIGEN MINDESTENS EINES EINTRITTSKANALS FÜR BETRIEBSGAS EINER BRENNSTOFFZELLE EINER BRENNSTOFFZELLENANORDNUNG UND BRENNSTOFFZELLENANORDNUNG
DE102011010893 A1 20120119	GM GLOBAL TECH OPERATIONS INC [US]	US20100708461 20100218	H01M8/04	Verfahren zur automatischen Aktivierung/Deaktivierung einer Stapel-Wiederaufbereitungsprozedur auf der Basis einer Brennstoffzellenstapelparameterabschätzung

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AT556769T T 20120515	BATTELLE MEMORIAL INSTITUTE [US]	US19990375614 19990817; US20000640903 20000816	B01D53/22; B01D71/02; B01J12/00; B01J19/00; B01J19/24; B01J23/60; B01J37/02; C01B13/02; C01B3/38; C01B3/48; C01B3/50; C01B3/56; H01M8/06; B01J37/03	VERFAHREN ZUR DAMPFREFORMIERUNG VON KOHLENWASSERSTOFFEN
DE102011011147 A1 20120223	GM GLOBAL TECH OPERATIONS INC [US]	US20100711144 20100223	H01M8/04	VERFAHREN ZUR DETEKTION EINES PHASENÜBERGANGS EINER MÜNDUNGSSTRÖMUNG IN EINER DRUCKGESTEUERTEN ANODE
JP2012511800 A 20120524		DE200810061807 20081211; WO2009EP66753 20091209	H01M8/04; H01M8/24	Verfahren zur Dichtheitsprüfung eines Stacks von Brennstoffzellen
DE102011107182 A1 20120126	GM GLOBAL TECH OPERATIONS INC [US]	US20100840030 20100720	H01M8/04	Verfahren zur durch den Stapel erfolgenden Kommunikation für Überwachungsschaltungen von Brennstoffzellen
DE112010002921T T5 20120531	SUNRISE POWER CO [CN]	CN20101144010 20100409; WO2010CN73485 20100603	H01M4/88; H01M4/86; H01M8/10	Verfahren zur einheitlichen Anfertigung einer Membrankatalysator bes

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AT543780T T 20120215	ASEMBLON INC [US]	US20030525422P 20031126; US20040997368 20041123; WO2004US39644 20041124	C01B3/22; C01B3/26; F02M21/02; F17C11/00; H01M8/04; H01M8/06	VERFAHREN ZUR ENERGIEERZEUGUNG
AT545163T T 20120215	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE200810023183 20080510; WO2009DE00487 20090408	H01M8/04	VERFAHREN ZUR ERKENNUNG UND LOKALISIERUNG VON DEFECTEN IN EINER BRENNSTOFFZELLE INNERHALB EINES BRENNSTOFFZELLENSTAPELS
DE102010056002 A1 20120628	DAIMLER AG [DE]	DE201010056002 20101223	H01M8/02	Verfahren zur Herstellung einer Bipolarplatte
DE102010055075 A1 20120621	DAIMLER AG [DE]	DE201010055075 20101218	H01M8/02	Verfahren zur Herstellung einer Bipolarplatte und Bipolarplatte für
AT549761T T 20120315	FORSCHUNGSZENTRUM JUELICH GMBH [DE]	DE200510023048 20050513; WO2006DE00734 20060427	H01M4/86; C04B35/00; H01M4/88; H01M4/90; H01M8/12	VERFAHREN ZUR HERSTELLUNG EINER KATHODE
DE102010055996 A1 20120628	DAIMLER AG [DE]	DE201010055996 20101223	H01M8/10; B29C65/16	Verfahren zur Herstellung einer Membrananordnung für eine Brennstoff
DE102011052041 A1 20120126	POSTECH ACAD IND FOUND [KR]	KR20100071062 20100722; KR20110070032 20110714	B05D3/00; C01B31/02; C25B11/12; H01L27/28; H01L51/00; H01M4/133; H01M4/96; H01M8/02	Verfahren zur Herstellung eines Kohlenstoff-Dünnsfilms, den Kohlenstoff-Dünnsfilm umfassende elektronische Bauteile und den Kohlenstoff-Dünnsfilm umfassende elektrochemische Vorrichtung

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AT540007T T 20120115	AIR LIQUIDE [FR]	FR20000015919 20001207; WO2001FR03716 20011126	B01D53/22; C04B38/06; B01D53/32; B01D71/02; C01B13/02; C04B38/00; H01B1/06; H01B1/08; H01M4/48; H01M4/88; H01M8/02	VERFAHREN ZUR HERSTELLUNG VON EINEM DÜNNEN KERAMISCHEN MATERIAL MIT EINEM KONTROLLIERTEN OBERFLÄCHENPOROSITÄTSGRADIENTEN, DARAUSS HERGESTELLTES KERAMISCHES MATERIAL DIESES MATERIAL ENTHALTENDE ELEKTROCHEMISCHE ZELLE UND KERAMISCHE MEMBRAN UND VERWENDUNG DE
DE102010046146 A1 20120329	UNIV DRESDEN TECH [DE]; FRAUNHOFER GES FORSCHUNG [DE]	DE201010046146 20100924	H01M8/12; C25B9/06; G01N27/409	Verfahren zur Herstellung von Festoxidbrennstoffzellen mit einer metallsubstratgetragenen Kathoden-Elektrolyt-Anoden-Einheit sowie deren Verwendung
AT542930T T 20120215	BAYER MATERIALSCIENCE AG [DE]	DE200510023615 20050521	C25B11/03; H01M4/86; H01M4/88; H01M8/08	VERFAHREN ZUR HERSTELLUNG VON GASDIFFUSIONSELEKTRODEN
DE102010044288 A1 20120308	ELCOMAX MEMBRANES GMBH [DE]	DE201010044288 20100903	B01J23/42; B01J23/89; B01J37/02; H01M8/02	Verfahren zur Herstellung von Platin-Übergangsmetall-Katalysatorpartikel
AT548773T T 20120315	SIEMENS AG [DE]; HOWALDTSWERKE DEUTSCHE WERFT [DE]	DE200810032156 20080708; WO2009EP58488 20090706	H01M8/04	VERFAHREN ZUR TEMPERATURREGELUNG IN EINER BRENNSTOFFZELLENANLAGE UND BRENNSTOFFZELLENANLAGE
DE102011107183 A1 20120126	GM GLOBAL TECH OPERATIONS INC [US]	US20100840014 20100720	H01M8/04	Verfahren zur Vorhersage der minimalen Zellenspannung aus dem diskreten minimalen Zellenspannungsausgang einer Stapelfunktionszustandsüberwachungseinrichtung

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JP2012509559 A 20120419		DE200810058072 20081119; WO2009EP07753 20091029	H01M8/04	Versorgungsanordnung zur Ankopplung an eine Brennstoffzellenvorrichtung sowie Brennstoffzellensystem mit der Versorgungsanordnung
DE112009002507T T5 20120119	JAPAN GORE TEX INC [JP]; TOYOTA MOTOR CO LTD [JP]	JP20080269094 20081017; WO2009JP67828 20091015	H01M8/02; C08J5/22; H01B1/06; H01M8/10	Verstärkte Brennstoffzellen-Elektrolytmembran, Membran/Elektriden-Anordnung für eine Brennstoffzelle und Polymerelektrolyd-Brennstoffzelle, inder dies enthalten ist
AT549029T T 20120315	UNIV ZUERICH [CH]	US20020392650P 20020627; WO2003EP06682 20030625	A61K38/17; A61K45/00; A61K31/40; A61K38/00; A61K38/20; A61P3/10; B01J8/04; B01J19/26; C01B3/36; C01B3/38; C01B3/58; C07K14/715; H01M8/04; H01M8/06	VERWENDUNG EINES INTERLEUKIN 1 REZEPTOR-ANTAGONISTEN ALLEIN ODER IN KOMBINATION MIT PYRROLIDINDITHIOCARBAMAT ZUR BEHANDLUNG ODER PROPHYLAXE VON TYP 2 DIABETES
KR20120001031 A 20120104	SAMSUNG HEAVY IND [KR]	KR20100061593 20100629	B63H21/20; B63H21/38; F02G5/02; H01M8/06	VESSEL AND OFFSHORE FLOATING BODY
JP2012035172 A 20120223	PANASONIC CORP [JP]	JP20100176164 20100805	B01J23/18; B01J35/02; C01B3/04; H01M8/06	VISIBLE LIGHT-RESPONSIVE PHOTOCATALYST, AND HYDROGEN GENERATION DEVICE AND ENERGY SYSTEM USING THE SAME

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JP2012029544 A 20120209	CHUNG HSIN ELECTRIC & MACHINERY MFG CORP [TW]	TW20100124057 20100721	H02M3/00; H01M8/04	VOLTAGE ADJUSTMENT APPARATUS USED FOR FUEL CELL, AND METHOD THEREOF
CN102498603 A 20120613	COMMISSARIAT ENERGIE ATOMIQUE [FR]	WO2010EP63397 20100913; FR20090004381 20090914	H01M8/04; G01R31/36	Voltage control device for a fuel cell
JP2012124166 A 20120628	TOYOTA MOTOR CO LTD [JP]	JP20120001898 20120110	H01M8/04; H01M8/24; H01R13/64	VOLTAGE DETECTION CONNECTOR FOR FUEL CELL
KR20120059677 A 20120611		KR20100121055 20101201	G01R31/36; G01R19/165; H01M8/04	Voltage Measuring Apparatus for A fuel cell stack
AT547819T T 20120315	WAERTSILAE FINLAND OY [FI]	FI20060005433 20060622; WO2007FI50360 20070615	H01M8/04; H01M8/06	VORHEIZANORDNUNG IN EINER BRENNSTOFFZELLENVORRICHTUNG
DE102010061576 A1 20120628	FEV GMBH [DE]	DE201010061576 20101227	H01M8/04	Vorrichtung mit wenigstens zwei in Reihe schaltbaren Brennstoffzelle
DE102010050357 A1 20120510	MTU ONSITE ENERGY GMBH [DE]	DE201010050357 20101105	H01M8/06	Vorrichtung und Verfahren zur Herstellung einer mit Katalysatorpelle
AT510803 A1 20120615	CARDEC HYDROGEN STORAGE GMBH [AT]	AT20080001632 20081017	G05F1/66; H01M8/04	VORRICHTUNG UND VERFAHREN ZUR STEUERUNG, REGELUNG UND ÜBERWACHUNG VO
AT550801T T 20120415	DAIMLER AG [DE]	DE200710028297 20070620; WO2008EP04344 20080531	H01M8/04	VORRICHTUNG UND VERFAHREN ZUR VERSORGUNG EINER BRENNSTOFFZELLE MIT OXIDATIONSMITTEL

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DE102010026827 A1 20120112	DAIMLER AG [DE]	DE201010026827 20100712	H05B3/58; H01M8/02	Vorrichtung zum Verbinden eines Leitungselements mit einer Komponente
DE102010056016 A1 20120628	DAIMLER AG [DE]	DE201010056016 20101223	H01M8/02	Vorrichtung zur Herstellung einer Bipolarplatte und Vorrichtung zur
DE102010054197 A1 20120614	DAIMLER AG [DE]	DE201010054197 20101211	H01M8/10	Vorrichtung zur Herstellung einer Membran-Elektroden-Anordnung für e
AT539308T T 20120115	BEHR GMBH & CO KG [DE]	DE200610008579 20060222; DE200610022916 20060515	F28D1/03; F28F3/02; H01M8/04; H01M10/50	VORRICHTUNG ZUR KÜHLUNG ELEKTRISCHER ELEMENTE
AT555059T T 20120515	SEIKO INSTR INC [JP]	JP20070037162 20070216; WO2007JP74720 20071221	C01B3/06; H01M8/06	VORRICHTUNG ZUR WASSERSTOFFPRODUKTION UND BRENNSTOFFZELLENSYSTEM
AT554964T T 20120515	TOYOTA JIDOSHOKKI KK [JP]; TOYOTA MOTOR CO LTD [JP]	JP20040334042 20041118; WO2005JP21122 20051117	B60K15/03; B60K1/04; B60K8/00; F17C5/06; H01M8/00; H01M8/04	WASSERSTOFFTANKKÜHLVORRICHTUNG UND - KÜHLVERFAHREN IN WASSERSTOFFBREN
DE102011013633 A1 20120119	GM GLOBAL TECH OPERATIONS INC [US]	US20100725697 20100317	H01M8/02	Wasserstoffverteilungseinsatz für PEM-Brennstoffzellenstapel
AT557442T T 20120515	IND TECH RES INST [TW]	TW20090112619 20090416	H01M8/06; C01B3/06; H01M8/04	WASSERSTOFFZUFUHRVORRICHTUNG
AT551742T T 20120415	INTELLIGENT ENERGY LTD [GB]	GB20030030272 20031231; WO2004GB05463 20041231	H01M8/04; H01M8/10; H01M8/24	WASSERVERWALTUNG IN BRENNSTOFFZELLEN
KR20120060362 A 20120612		KR20100121825 20101202	C02F1/461; B01D5/00;	Wastewater Treatment System

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			H01M8/00	
CN102437357 A 20120502	Shanghai Yaoyu Industrial Co., Ltd.	CN20111427679 20111219	H01M8/04	Water balance system of fuel cell
WO2012082208 A1 20120621	BOEING CO [US]; GAO LIJUN [US]; LIU SHENGYI [US]	US20100968889 20101215	H01M8/04; E03B3/28; F26B21/00; F26B23/00; H01M8/00	WATER HARVESTING SYSTEM
KR20120045720 A 20120509	HYUNDAI MOTOR CO LTD [KR]	KR20100107446 20101101	H01M8/04; B60L11/18	WATER MANAGEMENT SYSTEM FOR FUEL CELL
US2012115054 A1 20120510	WALLACE ANDREW P [US]; MELACK JOHN M [US]; LEFENFELD MICHAEL [US]	US201113291815 20111108; US20100411244P 20101108	H01M8/06	WATER REACTIVE HYDROGEN FUEL CELL POWER SYSTEM
KR20120048957 A 20120516	HYUNDAI MOTOR CO LTD [KR]; KIA MOTORS CORP [KR]	KR20100110465 20101108	H01M8/04; B60L11/18	WATER TRAP ASSEMBLY OF FUEL CELL
CN102381758 A 20120321	Institute of Urban Environment, Chinese Academy of Sciences	CN20111147694 20110602	C02F3/28; H01M8/16	Water treatment process and device for synchronously producing electricity and removing nitrate from underground water
JP2012115784 A 20120621	TOSHIBA FUEL CELL POWER SYSTEMS CORP; TOSHIBA CORP [JP]	JP20100269103 20101202	C02F1/42; H01M8/04	WATER TREATMENT SYSTEM, AND FUEL CELL ELECTRIC POWER SYSTEM USING THE SAME
JP2012004132 A 20120105	PANASONIC CORP [JP]	JP20110174715 20110810	H01M8/04; F24H1/00; H01M8/00; H01M8/06	WATER-FILLING METHOD OF FUEL CELL SYSTEM

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JP2012009169 A 20120112	AISIN CHEM	JP20100141595 20100622	H01M4/86; H01M4/88; H01M4/96	WATER-REPELLENT PASTE FOR GAS DIFFUSION LAYER AND METHOD OF MANUFACTURING THE SAME
AT548771T T 20120315	STAXERA GMBH [DE]	DE200610058295 20061211	H01M8/04; H01M8/24	WIEDERHOLEINHEIT FÜR EINEN BRENNSTOFFZELLENSTAPEL
JP2012512509 A 20120531		DE200910006157 20090126; DE200910009177 20090216; WO2009DE01545 2009	H01M8/02; H01M8/00; H01M8/10	Wiederholeinheit für einen Brennstoffzellenstapel
JP2012004098 A 20120105	NITTO DENKO CORP [JP]	JP20100112802 20100517; JP20100252124 20101110	H01M8/02	WIRING CIRCUIT BOARD, FUEL BATTERY, AND METHOD FOR MANUFACTURING WIRING CIRCUIT BOARD
JP2012104669 A 20120531	NITTO DENKO CORP [JP]	JP20100252126 20101110	H05K3/24; H01M8/02	WIRING CIRCUIT BOARD, FUEL CELL, AND METHOD FOR MANUFACTURING WIRING
JP2012104383 A 20120531	NITTO DENKO CORP [JP]	JP20100252125 20101110	H01M8/02; H05K1/09	WIRING CIRCUIT BOARD, FUEL CELL, AND METHOD FOR MANUFACTURING WIRING
JP2012104668 A 20120531	NITTO DENKO CORP [JP]	JP20100252123 20101110	H05K3/24; H05K3/20	WIRING CIRCUIT BOARD, METHOD FOR MANUFACTURING THE SAME, AND FUEL CE
JP2012109476 A 20120607	NITTO DENKO CORP [JP]	JP20100258538 20101119	H05K3/38; H01M8/02; H05K3/28	WIRING CIRCUIT BOARD, METHOD FOR MANUFACTURING THE SAME, AND FURL CELL
DE202012001978U U1 20120405	LUDWIG GUENTHER [DE]	DE201220001978U 20120222	B60L11/18; B60P3/32; H01M8/10	Wohnmobile mit Brennstoffzelle
KR20120034969 A 20120413	XFC INC [KR]; SNU R& DB FOUNDATION [KR]	KR20100096390 20101004	H01M4/88; C08J5/18; H01M8/10; H01M8/12	WRINKLE-PATTERNED ELECTRODE, FUEL CELL COMPRISING THE SAME AND THE PREPARATION METHOD THEREOF

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
CN102340016 A 20120201	Puyang Universe Biological Energy Co.,Ltd.	CN20111227735 20110810	H01M8/16; F24F5/00; F25B29/00; H01M8/06; H01M8/24	Zero-carbon all-in-one machine and working method thereof
CN102479968 A 20120530	Dalian Institute of Chemical Physics, Chinese Academy of Sciences;Dalian Rongke Power Co., Ltd.	CN20101563789 20101129	H01M8/18	Zinc / polyhalide energy storage cell
KR20120058895 A 20120608		KR20100120417 20101130	H01M12/06; B01D35/00; B60L11/18; H01M8/04	Zinc-air fuel cell assembly comprising filter change-period percepti
KR20120063893 A 20120618	LEOMOTORS INC [KR]; LEE JUNG YONG [KR]	KR20100125062 20101208	H01M12/06; H01M8/02; H01M8/24	ZINC-AIR FUEL CELL REACTION CELL ASSEMBLY AND MANUFACTURING METHOD O
KR20120027939 A 20120322	LEOMOTORS INC [KR]; LEE JUNG YONG [KR]	KR20100089813 20100914	H01M12/06; H01M8/02; H01M8/04	ZINC-AIR FUEL CELL REACTION CELL STRUCTURE
KR20120027940 A 20120322	LEOMOTORS INC [KR]; LEE JUNG YONG [KR]	KR20100089814 20100914	H01M12/06; B65D47/04; H01M8/04	ZINC-AIR FUEL CELL REACTION CELL UNIT ENABLING SIMULTANEOUS SUPPLY AND EMISSION OF ZINC-BALL
KR20120024094 A 20120314	LEOMOTORS INC [KR]; LEE JUNG YONG [KR]	KR20100086776 20100906	H01M12/06; G01R31/36; H01M8/04	ZINC-AIR FUEL CELL SYSTEM, AND CONTROL METHOD FOR THE SAME
KR20120044722 A 20120508	LEOMOTORS INC [KR]; LEE JUNG YONG [KR]	KR20100106175 20101028	H01M12/06; G01R31/36; H01M8/04	ZINC-AIR FUEL CELL SYSTEM, AND CONTROL METHOD FOR THE SAME

Número do Pedido	Depositante	Prioridade	Classificação Internacional	Título
KR20120027941 A 20120322	LEOMOTORS INC [KR]; LEE JUNG YONG [KR]	KR20100089815 20100914	H01M12/06; H01M8/02; H01M8/04	ZINC-AIR FUEL CELL UNIT HAVING CYLINDRICAL REACTION CELL STRUCTURE
CN202153549U U 20120229	SHENZHEN HYDROGEN POWER TECHNOLOGY CO LTD	CN20112221037U 20110627	H01M8/18; H01M8/02; H01M8/24	Zinc-bromine flow battery and battery pack
GB2485028 A 20120502	INST CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK [PL]	PL20100392705 20101020	H01M8/16	Zinc-Oxygen cell and its application
JP2012069368 A 20120405	NIPPON CATALYTIC CHEM IND [JP]	JP20100212958 20100924	H01M8/02; C04B35/48; C04B35/632; H01B1/06; H01M8/12	ZIRCONIA BASED GREEN SHEET FOR SOLID OXIDE FUEL CELL AND MANUFACTURING METHOD THEREFOR
JP2012069369 A 20120405	NIPPON CATALYTIC CHEM IND [JP]	JP20100212969 20100924	H01M8/02; C04B38/00; C04B41/85; H01M8/12	ZIRCONIA CONTAINING GREEN SHEET CALCINATING POROUS SHEET FOR SOLID OXIDE FUEL CELL ELECTROLYTE AND MANUFACTURING METHOD THEREOF
JP2012087046 A 20120510	NIPPON CATALYTIC CHEM IND [JP]	JP20110271095 20111212	C04B35/48; C04B35/64; H01M8/02	ZIRCONIA SHEET
JP2012500748 A 20120112		DE200810039782 20080826; US20080190082P 20080826; WO2009EP60447 20090812	B64D13/08; H01M8/00; H01M8/04	Zonentemperaturregelung an Bord eines Flugzeuges mittels Brennstoffzellenabwärme

ANEXO I - Códigos dos Principais Países

Código	País	Código	País
AR	Argentina	IN	Índia
AT	Áustria	IS	Islândia
AU	Austrália	IT	Itália
BE	Bélgica	JP	Japão
BG	Bulgária	KR	República da Coreia
BR	Brasil	LU	Luxemburgo
BS	Bahamas	LV	Letônia
CA	Canadá	MA	Marrocos
CH	Suíça	MD	Republica Moldova
CN	China	MX	México
CZ	República Tcheca	NL	Holanda
DE	Alemanha	NO	Noruega
DK	Dinamarca	NZ	Nova Zelândia
DZ	Argélia	OA	African Intellectual Property Organization (OAPI) ¹
EA	Organização de Patentes da Eurásia (EAPO) ¹	PH	Filipinas
EE	Estônia	PL	Polónia
EG	Egito	PT	Portugal
EP	Organização Européia de Patentes (EPO) ¹	RO	Romênia
ES	Espanha	RU	Federação Russa
FI	Finlândia	SE	Suécia
FR	França	SG	Singapura
GB	Reino Unido	SI	Eslovênia
GR	Grécia	SK	Eslováquia
HK	Região Administrativa Especial de Hong Kong Da República Popular da China	TR	Turquia
HR	Croácia	TW	Taiwan
HU	Hungria	UA	Ucrânia
IB	International Bureau ²	US	Estados Unidos
ID	Indonésia	WO	Organização Mundial de Propriedade Intelectual (WIPO) ²
IE	Irlanda	ZA	África do Sul
IL	Israel		

Fonte: <http://www.wipo.int/export/sites/www/scit/en/standards/pdf/030301.pdf>, acesso: outubro 2012

¹ Organização intergovernamental encarregada de emitir títulos de proteção dos direitos de propriedade industrial e de prestar serviços relacionados com a propriedade industrial para cada um dos Estados-membros.

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ANEXO II - Pedidos de patente sem nome do depositante indexado

JP2012505810	JP4930644B1	RU117717U	RU2010146500
JP4849195B2	JP4932965B1	RU117718U	RU2010147046
JP4864170B1	JP4944281B1	RU2010126000	RU2010150783
JP4864171B1	JP4955831B1	RU2010127272	RU2010151121
JP4868268B1	JP4962640B1	RU2010129452	RU2010151606
JP4902013B1	RU112508U	RU2010134512	
JP4904436B1	RU113074U	RU2010145152	
JP4930643B1	RU114808U	RU2010145736	