

## Pedidos de Patente sobre Energia Solar - Nº 7



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Diretoria de Cooperação para o Desenvolvimento – DICOD  
Centro de Disseminação da Informação Tecnológica – CEDIN  
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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, registros de desenhos industriais, registro de marcas, averbação de contratos de transferência de tecnologia, 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 desenhos industriais. 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 se pode ter acesso a detalhes técnicos de invenções que, em alguns casos, não estão descritos em outros meios de divulgação <sup>1</sup> (livros, artigos técnicos etc.).

O objetivo desta publicação, de periodicidade semestral, é o de alertar sobre os depositantes mais expressivos em determinado período, 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, permitindo, desta forma, a atualização periódica de seu público alvo.

Um pedido de patente é constituído de uma folha de rosto, do relatório descritivo da invenção, das reivindicações (quadro reivindicatório), dos desenhos (se necessário) e do resumo. A folha de rosto contém os dados bibliográficos do pedido de patente, tais como, os nomes dos depositantes e dos inventores, as datas e os números de depósito, de publicação e de prioridade do pedido, a classificação internacional, o título e o resumo da invenção, entre outros.

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<sup>1</sup> Hong, Soonwoo. **The Magic of Patent Information**, Disponível em: [http://www.wipo.int/sme/en/documents/patent\\_information.htm#basics](http://www.wipo.int/sme/en/documents/patent_information.htm#basics). Acesso em 10 de outubro de 2008.

Os dados bibliográficos e a cópia completa do pedido de patente podem ser obtidos nas seguintes bases de patente disponíveis, gratuitamente, na internet:

1. Base Brasileira de Pedidos de Patente <sup>2</sup>: <http://www.inpi.gov.br>
2. Base do Escritório Europeu de Patentes<sup>3</sup> :  
<http://worldwide.espacenet.com>
3. Base do Escritório Americano de Patentes<sup>4</sup> : <http://uspto.gov>

Caso haja interesse em se conhecer o(s) depósito(s) de patente no Brasil, correspondente(s) (família do pedido de patente <sup>5</sup>) aos pedidos de patente estrangeiros listados no Anexo I, sugere-se uma busca de família dos pedidos de interesse. Neste caso, o Centro de Documentação do INPI – 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

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As cópias integrais dos pedidos de patente de interesse também podem ser solicitadas por meio do endereço [copdocpat@inpi.gov.br](mailto:copdocpat@inpi.gov.br) ou por correio postal ao endereço anteriormente mencionado

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<sup>2</sup> Esta base contém somente pedidos de patente depositados e publicados no Brasil a partir de 1982.

<sup>3</sup> Contém pedidos de patente depositados e publicados em mais de 70 países.

<sup>4</sup> Contém pedidos de patente depositados ou concedidos e publicados apenas nos Estados Unidos.

<sup>5</sup> 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 patente 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 patentes sobre Energia Solar

Embora ainda não tenha sido inventado um sistema de produção de energia que seja totalmente limpo, diversas soluções para a crescente demanda energética mundial tem sido desenvolvidas visando minimizar os impactos negativos sobre o meio ambiente, dentre tais soluções destacam-se aquelas baseadas em fontes inesgotáveis de energia, tal como a energia solar.

Atualmente a produção de energia solar em grande escala ainda não apresenta custo competitivo se comparado aos sistemas tradicionais de geração de energia, tais como os baseados em combustíveis fósseis e a geração hidrelétrica, embora já existam em operação sistemas de aquecimento solares de baixo custo, usados para aquecimento de água em residências.

Deve-se considerar também que a produção de energia solar sofre a influência de condições climáticas adversas tais como: nebulosidade, chuva e neve, além de ser interrompida a noite. Tais características determinam a implantação de meios de armazenamento da energia produzida nos períodos favoráveis, aumentando os custos envolvidos na operação.

A despeito de tais fatores restritivos, o uso da energia solar apresenta muitas vantagens, podendo-se citar o fato de que a mesma tem por base uma fonte energética praticamente inesgotável.

Além disso, os processos de produção de energia solar tem baixo impacto sobre o meio ambiente, pois não emitem resíduos durante a conversão e os equipamentos utilizados tem baixo índice de manutenção, além disso podem ser instalados em localidades remotas, tal como o interior do Brasil, evitando elevados gastos com extensas linhas de transmissão.

Para ser utilizada, a energia solar inicialmente é capturada e depois é convertida para outras formas de potência, tais como calor e energia elétrica.

Os principais processos de aproveitamento da energia gerada pelo sol atualmente empregados são: o processo heliotérmico, também chamado de fototérmico ou termossolar, e o processo fotovoltaico.

No processo heliotérmico a energia solar é absorvida pelos corpos sob a forma de calor, os coletores solares, os quais aquecem fluidos (líquidos ou gasosos) que podem ser usados diretamente (como no caso da água quente) ou mantidos em reservatórios termicamente isolados. Tais fluidos aquecidos podem também gerar gases para o acionamento de turbinas.

Já no processo fotovoltaico, após a captura da luz solar, esta é diretamente convertida em energia elétrica pelo chamado efeito fotovoltaico, no qual uma diferença de potencial é gerada nos extremos de estruturas, a partir da absorção da luz por materiais semicondutores, sendo sua unidade fundamental a chamada célula fotovoltaica.

É de grande relevância notar que o território brasileiro possui latitude equatorial e está localizado, em sua maior parte, na região inter-tropical, com alto nível de incidência solar durante o ano. Outro fator extremamente positivo reside no fato de que possuímos grandes reservas de silício solar, matéria prima dos painéis de captação, constituindo importante vantagem estratégica a nível mundial.

Assim, objetivando fornecer informações importantes sobre o estado da técnica relacionado às tecnologias de aproveitamento da energia solar, como suporte aos interessados em desenvolver tecnologia endógena, o INPI, através da Divisão de Estudos e Programas do CEDIN, publica este alerta tecnológico com os mais recentes desenvolvimentos nesse setor, os quais foram alvo de depósitos de patente em todo o mundo.

Para a realização deste trabalho, utilizou-se o banco de dados do Escritório Europeu de Patentes. O período selecionado para pesquisa compreendeu os pedidos de patente publicados entre 01/01/2012 a 30/06/2012. A metodologia para a coleta dos documentos levou em conta as áreas da Classificação Internacional de

Patentes - CIP, na qual foram selecionados os pedidos de patente que apresentem pelo menos uma das classificações internacionais<sup>6</sup> a seguir:

- F24J2/00. Utilização de calor solar, por ex., coletores de calor solar
- F24J2/04. Coletores de calor solar com o fluido de trabalho conduzido através do coletor
- F24J2/05. Coletores de calor solar envolto por um fechamento transparente
- F24J2/10. Coletores de calor solar tendo refletores como elementos de concentração
- F24J2/24. Coletores de calor solar com o fluido de trabalho sendo conduzido através de condutos tubulares absorvedores de calor
- F24J2/30. Coletores de calor solar com meios para trocar de calor entre uma pluralidade de fluidos
- F24J2/38. Utilização de calor solar empregando meios de reboque
- F24J2/40. Sistemas de calor solar não incluídos em outro local
- F24J2/46. Partes componentes, detalhes ou acessórios de coletores de calor solar
- F24J2/48. Utilização de calor solar caracterizado pelo material absorvedor
- F24J2/50. Coletores de calor solar com coberturas transparentes
- F24J2/52. Disposições de montagem ou suporte
- F24J2/54. Coletores de calor solar especialmente adaptados para movimentos rotativos
- H01L31/042. Dispositivos semicondutores sensíveis à radiação infravermelha compreendendo um painel ou um conjunto de células fotovoltaicas.
- E04D13/18. Aspectos de cobertura de telhados relativos a dispositivos que colem energia,

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<sup>6</sup> Um documento de patente pode conter uma ou mais classificações.



## 2. RESULTADOS

### 2.1 - Mundo

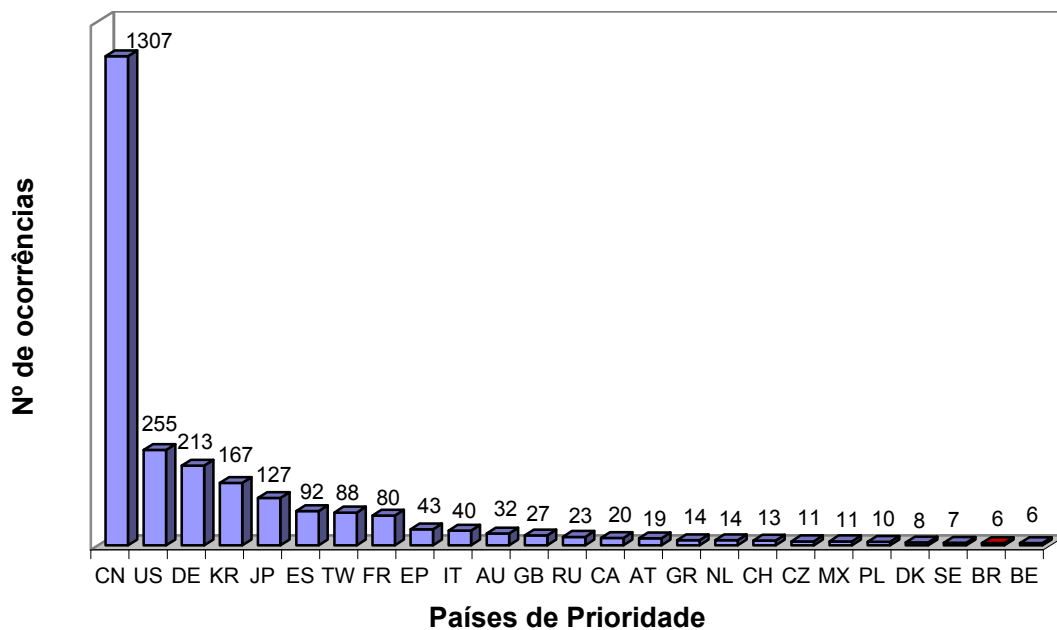
No Gráfico 1 são apresentados os países de prioridade<sup>7</sup> - dos documentos recuperados no primeiro semestre de 2012, bem como as ocorrências em cada país. A busca realizada no sistema resultou num total de 2621 documentos de patente publicados ao redor do mundo no período considerado. Um ponto importante a ser analisado nesta massa de dados diz respeito ao país da prioridade unionista do depósito, o que na maioria das ocorrências indica a origem da tecnologia contida nos documentos. O país da prioridade é o país onde foi realizado o primeiro depósito do pedido de patente. Ressalta-se que o depositante pode solicitar a prioridade de seu pedido de patente em um país diferente do país de sua residência, entretanto tal prática não se verifica na maioria dos pedidos

Mantendo a tendência dos demais alertas publicados sobre energia solar, e com base no Gráfico 1, pode-se verificar que o país com maior incidência de pedidos de prioridade publicados no período considerado foi a China com 1307 documentos, representando 49,86% do total. Os Estados Unidos ocupam o segundo lugar no ranking de prioridades de pedidos de patentes, com um total de 255 documentos, representando 9,72% do total. Tal como verificado no alerta tecnológico anterior, publicado em abril de 2012, chama a atenção a grande diferença no número de depósitos entre o primeiro colocado e os demais países com publicação de prioridades em energia solar. A terceira posição no ranking de prioridades é ocupada pela Alemanha com 213 pedidos publicados, equivalendo a 8,12% do total. A Coreia do Sul com 167 pedidos prioritários detém o quarto lugar no ranking, equivalendo a 6,37% das ocorrências. O Japão aparece na quinta posição do ranking com 127 pedidos, representando 4,84% do total de pedidos prioritários publicados no período considerado no presente levantamento.

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<sup>7</sup> Conforme estabelecido pela Convenção de Paris (CUT) 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](http://www.inpi.gov.br).

Gráfico 1: Países de prioridade dos documentos recuperados em nível mundial x número de ocorrências.



Fonte: Elaboração própria a partir do banco de dados do Escritório Europeu de Patentes.

De acordo com o gráfico 1 as siglas dos principais países de prioridade são apresentados abaixo (vide relação completa no Anexo I).

CN – China

US – Estados Unidos da América

DE – Alemanha

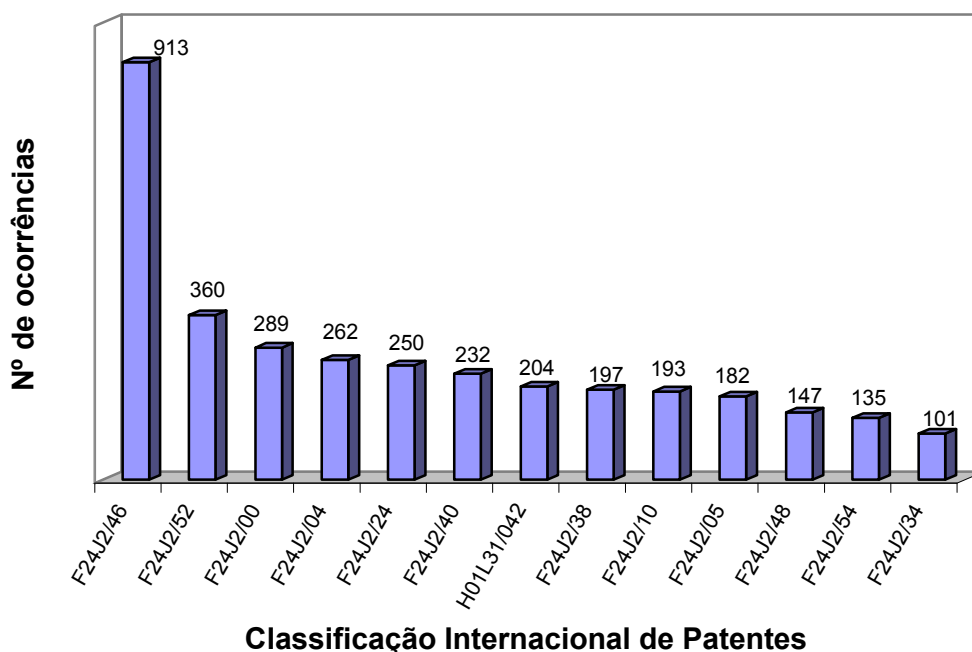
KR – Coréia do Sul

JP – Japão

No que concerne às áreas de concentração da tecnologia, tomando-se por base os itens da Classificação Internacional de Patentes – CIP, foram considerados apenas os grupos com 100 ou mais incidências nos quais estavam distribuídos os documentos encontrados. Dentre os treze principais grupos da CIP identificados nos documentos publicados, constata-se que a maior concentração de pedidos (26,34%) enquadra-se no subgrupo F24J2/46. Também destaca-se a concentração de documentos no subgrupo F24J2/52 que responde por 10,38% das ocorrências (a relação completa dos títulos dos subgrupos consta da página 8).

O gráfico 2, a seguir, apresenta tal distribuição. Este gráfico permite visualizar as classificações das tecnologias relacionadas à energia solar, descritas nos pedidos de patente publicados no primeiro semestre de 2012.

**Gráfico 2: Distribuição dos documentos pela Classificação Internacional de Patente**



Fonte: Elaboração própria a partir do banco de dados do Escritório Europeu de Patentes.

No que diz respeito às áreas de concentração tecnológica dos pedidos, segundo a Classificação Internacional de Patentes, a principal alteração ocorrida em comparação ao levantamento anterior que compreendeu todo o segundo semestre

de 2011, diz respeito a subseção H01L, que caiu da segunda para a sétima posição com 204 ocorrências.

No tocante aos principais depositantes de pedidos de energia solar, publicados no primeiro semestre de 2012, foram considerados apenas aqueles que contam com oito ou mais incidências, os quais estão relacionados na Tabela 1 apresentada abaixo.

**Tabela 1: Relação dos principais depositantes dos países com pedidos de prioridade de patente e o número de pedidos publicados no 2º de 2011**

Depositante	Total de Documentos
ABENGOA SOLAR NEW TECH SA [ES]	29
HOU GUOSHAN [CN]	24
SIEMENS AG [DE]	19
KONICA MINOLTA OPTO INC [JP]	17
HIMIN SOLAR (SHANGHAI) CO LTD [CN]	17
MIDEA HOLDING CO LTD [CN]	11
BEIJING INSTITUTE OF GRAPHIC COMMUNICATION [CN]	11
SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD [CN]	11
HITACHI PLANT TECHNOLOGIES LTD [JP]	11
mitsubishi heavy ind ltd [JP]	11
SUNPOWER CORP [US]	10
BOSCH GMBH ROBERT [DE]	10
YANGZHOU SUNLEADA SOLAR CO LTD [CN]	9
CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD [CN]	9
HITACHI PLANT MECHANICS CO LTD [JP]	9
HITACHI LTD [JP]	8
PANASONIC CORP [CN]	8
CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD [CN]	8
ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD [CN]	8
KOREA ENERGY RESEARCH INST [KR]	8
ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD [CN]	8
CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD [CN]	8
DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	8
ZHANG QIMING [CN]	8
SHANDONG LINUO PARADIGMA CO LTD [CN]	8

Fonte: Elaboração própria a partir do banco de dados do Escritório Europeu de Patentes.

De acordo com os dados da Tabela 1 acima constata-se uma significativa alteração no que diz respeito a condição hegemônica das empresas alemãs, verificada no alerta tecnológico anterior, referente aos documentos publicados no segundo semestre de 2011. No presente levantamento tal hegemonia pertence aos depósitos de origem chinesa que ocupam treze posições dentre os vinte e cinco principais depositantes, perfazendo o total de 140 pedidos publicados. Os

depositantes japoneses ocupam a segunda posição contando com seis depositantes que totalizam 64 pedidos. Os três depositantes da Alemanha ocupam a terceira posição sendo responsáveis por 37 pedidos publicados. Na sequência aparecem ainda os depositantes da Espanha, Estados Unidos e Coréia do Sul com um único depositante de cada país, contando respectivamente com: 29, 10 e 8 pedidos publicados no período.

## **2.2 - Brasil**

No tocante aos pedidos de patente brasileiros, com base nos dados constantes da Tabela 2, foram identificados sete documentos depositados no país, sendo seis com prioridade nacional, e um com prioridade alemã. No período considerado, dentre os cinquenta países com depósitos prioritários publicados, o Brasil ocupa vigésima quinta posição no ranking de prioridades, caindo oito posições em relação ao alerta anterior,

O perfil dos depositantes brasileiros revela que dos sete pedidos encontrados, cinco foram efetuados por inventores independentes e os outros dois por empresas, incluindo-se neste segundo grupo um pedido com prioridade alemã. Não foi detectado nenhum pedido de origem brasileira que tenha sido efetuado no exterior, e publicado no primeiro semestre de 2012.

**Tabela 2: Dados bibliográficos dos Pedidos de Patente sobre Energia Solar publicados no primeiro semestre de 2012**

(Ordenados segundo o código do país de publicação)

Obs:

1- Os depósitos efetuados pelo sistema PCT – Patent Cooperation Treaty, representados pela sigla WO – Wipo Organization, contam com 178 ocorrências e correspondem a pedidos de prioridade de diversas nacionalidades, já que o sistema PCT atualmente é adotado por 142 países.

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
AR079411 A4 20120125	AR2010M103502U 20100927	F24J2/04	CONSEJO NAC INVEST CIENT TEC [AR]	COLECTOR SOLAR COMPACTO CON AUMENTO DE SUPERFICIE DE TRANSFERENCIA DE CALOR
AR080953 A1 20120523	AR2011P101197 20110408	F24J2/04; F24D15/00	TECN CONICET CONSEJO NAC DE INVESTIGACIONES CIENTIFICAS Y [AR]	CALEFACTOR SOLAR PASIVO
AR080963 A1 20120523	AT20090000719 20090512; WO2010AT00163 20100512	C22C38/00; C03C27/02; C22C38/08; C22C38/10; F24J2/05	ARCHIMEDE SOLAR ENERGY SRL [IT]	COMPOSICION METALICA APTA PARA CREAR UNA UNION MEDIANTE SOLDADURA CON UN VIDRIO DE BOROSILICATO PARA UN COLECTOR SOLAR, UNION METAL- VIDRIO, ANILLO METALICO PARA DICHA UNION Y COLECTOR SOLAR TUBULAR.
AT12268U U1 20120215	AT20090000896 20090610; WO2010EP58114 20100609	F24J2/40; F24J2/42	PSW SYSTEMS AG [CH]	VORRICHTUNG ZUM ERWÄRMEN UND KÜHLEN EINES MEDIUMS ZUM ÜBERTRAGEN VON WÄRME
AT510004 A4 20120115	AT20090001190 20090729; WO2010EP59692 20100707	F24J2/20; F24J2/46; F24J2/51	LENZ BERNHARD [AT]	EINRICHTUNG ZUR GEWINNUNG VON ELEKTRISCHEM STROM UND/ODER W-RME
AT510005 A4 20120115	AT20100000929 20100607	F24J2/52; F24J2/04	HAAS THEODOR [AT]	SOLARANLAGE
AT510077 A1 20120115	AT20100001117 20100701; AT20110008051U 20110512	F24J2/10; F24J2/52	KORNMUELLER MANFRED [AT]	BEFESTIGUNGSANORDNUNG FÜR SPIEGELGLÄSER IN SOLARANLAGEN
AT510142 A1 20120115	AT20100001280 20100730	F24J2/05; F24J2/24	HAVLICEK LUBOS [AT]	Air- or water-heating apparatus
AT510174 A4 20120215	AT20100001406 20100823	F24J2/54	HAAS THEODOR [AT]	SOLARANLAGE

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
AT510391 A2 20120315	AT20100001662 20101006	F24J2/24; F24J2/04; F24J2/50; F24J2/51; F28D20/00	RUND UM S HAUS GMBH [DE]	Active facade for low energy or passive house, has pipe system including flexible plastic pipes filled with heatable medium, where system is arranged between outer side of outer wall and insulation layer
AT510629 A1 20120515	AT20100001663 20101006	F24J2/46; F24J2/04; F24J2/40	XOLAR RENEWABLE ENERGY GROUP GMBH [AT]	SOLARKOLLEKTOR
AT538351T T 20120115	AT20100001855 20101111	F24J2/38; F24J2/54; G05B13/00; G05D3/10	FLAGSOL GMBH [DE]	SELBSTLERNENDE SONNENKOLLEKTORNACHFÜHRSTEUERUN G
AT539303T T 20120115	AT20100001926 20101119	F24J2/24; F24J2/46	KIOTO CLEAR ENERGY AG [AT]	VERSCHLUSSKAPPE
AT541165T T 20120115	AT20100002093 20101220	F24J2/20; F24J2/24; F24J2/52	TMW [FR]	SOLARHEIZUNGSVORRICHTUNG
AT542515T T 20120215	AU20060293841 20060718; AU20120201674 20120321	A61H33/06; A61N5/06; F24J2/10; F24J2/16; F24J2/18; G02B17/00	ABMAYR BERNHARD [DE]	SONNENLICHTKAMMER, INSBESONDERE SONNENLICHTSAUNA ODER GEWÄCHSHAUS
AT543056T T 20120215	AU20060905238 20060921; AU20060906117 20061102; WO2007AU01391 20070920	F24J2/52	ADENSIS GMBH [DE]	Feeder vehicle for an assembly machine for photovoltaic modules
AT547673T T 20120315	AU20060906905 20061211; WO2007AU01907 20071211	F24J2/04; E04F13/08	IDEASOL S R L [IT]	Tile for using solar energy
AT547674T T 20120315	AU20080256262 20080530; AU20120202676 20120508	F24J2/10; F24J2/54	EBERT SIEGFRIED [DE]	1. REFLEKTORVORRICHTUNG FÜR EINE SOLAREINRICHTUNG, SOLARANLAGE UND VERFAHREN ZUM BETRIEB EINER SOLARANLAGE



Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
AT549473T T 20120315	AU20090901467 20090406; WO2010AU00390 20100406	E04H6/02; E04B7/02; E04B7/20; F24J2/04	RAVOYARD HOLDING [FR]	MODULKONSTRUKTION
AT552467T T 20120415	AU20090903028 20090630; WO2010AU00835 20100630; AU20100268769 20100630	F24J2/46; E04D3/24; F24J2/04; F24J2/20	GARCIA CORS JOSEP [ES]; GARCIA SANCHEZ JOSE [ES]	Solar energy collecting modular element for enclosure, and modular system for forming solar energy collecting enclosures on buildings
AT554351T T 20120515	AU20090903130 20090703; WO2010AU00818 20100629; AU20100268759 20100629	F24J2/07; F24J2/50	SENER ING & SIST [ES]	Solar radiation receiver comprising a quartz window system
AT554352T T 20120515	AU20090903746 20090810; AU20100902213 20100520; WO2010AU01012 20100810; AU20100282210 20100810	F24J2/52	GREENONETEC [AT]	Solar collector with bearing rail
AT554504T T 20120515	AU20090903818 20090814; WO2010AU01035 20100813; AU20100282232 20100813	H01L31/048; F24J2/52; H01L31/042	SOLON SE [DE]	Photovoltaic module with a wind suction protection

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AT555351T T 20120515	AU20090905048 20091016; WO2010AU01376 20101018; AU20100306419 20101018	F24J2/52; F24J2/04; H01L31/042; H01L31/048	SCHOTT SOLAR AG [DE]; WURSTER WALTER GMBH [DE]	FASTENING SYSTEM FOR A PLATE-SHAPED STRUCTURAL ELEMENT
AT556280T T 20120515	AU20090905161 20091023; WO2010AU01420 20101025; AU20100310897 20101025	F24J2/24; F24J2/34; F24J2/44	SILVA SIMAEES JOAQUIM POLICARPO [PT]; MACHADO SIMAES NUNO GONCALO [PT]	SOLAR COLLECTOR
AT557148T T 20120515	AU20100101462 20101223	E04D3/32; E04D3/361; E04D3/362; E04D13/18; F24J2/52; H01L31/042; H01L31/048	BARSUN [FR]	Support for photovoltaic unit and device for the insertion of a photovoltaic unit comprising such a support
AU2010241257 A1 20120531	AU20100241257 20101105	B01D35/02; F24J2/00	WU JIE QIN	Solar water heating aseptic water filter system
AU2010247286 A1 20120119	AU20100903084 20100712	F24J2/54	SOLTEC EN RENOVABLES SL [ES]	Single-axis solar tracker and solar power installation
AU2010252037 A1 20120112	AU20100903087 20100712; AU20110203505 20110711	E04H6/02; F24J2/04; H01L31/042	BERNARD BATUT; ENERQOS FRANCE; ART UR SARL	Parking shelter provided with photovoltaic solar panels
AU2010252040 A1 20120202	AU20100903835 20100826	F24J2/05; F24J2/14	ARIES INGENIERIA Y SIST S S A [ES]	Radiation heat collection device
AU2010252557 A1 20120202	AU20100904006 20100907; AU20110202486 20110527	H01L31/052; F24J2/10; F24J2/52	BEGHELLI SPA [IT]	High-concentration photovoltaic generating module
AU2010252562 A1 20120119	AU20100904214 20100917	F03B1/02; F03B13/10	LEVIATHAN ENERGY HYDROELECTRIC LTD [IL]	Hydroelectric in-pipe turbine blades

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AU2010255347 A1 20120202	AU20100904294 20100923; AU20090905616 20091118; WO2010AU01533 20101116; AU20100321671 20101116	F24J2/52; E04D13/14; H01L31/042	SEGERS BVBA [BE]	Fixing system for solar panels
AU2010257514 A1 20120119	AU20100904343 20100927	F24J2/46	HADLAUER MARTIN [AT]	Cleaning system for collectors combined with a specific protective position
AU2010261324 A1 20120202	AU20100904443 20101004	H01L31/042; F24J2/52	FISHLER YEHOASHUA	Electrical grid solar energy harvesting system
AU2010261732 A1 20120202	AU20100904824 20101029	F01K3/14; F01K1/04; F01K1/08; F01K1/12	ABENGOA SOLAR NEW TECH SA [ES]	System and method for accumulating steam in tanks for solar use
AU2010261733 A1 20120202	AU20100905294 20101201; AU20110101559 20111129	F03G6/06; E04H5/12; F24J2/07; F28C1/00	ABENGOA SOLAR NEW TECH SA [ES]	Tower for solar concentration plant with natural draught cooling
AU2010265019 A1 20120119	AU20100905600 20101222; AU20100905601 20101222	F22B1/00; F22B1/02; F22B3/02; F22B5/00; F22B15/00	BALCKE DUERR GMBH	Heat exchanger for steam generation for a solar-thermal power plant
AU2010267547 A1 20120202	AU20100905601 20101222	F24J2/10	PATWARDHAN RAVINDRA; PANDIT RAJEEV	A solar central receiver system employing common positioning mechanism for heliostats
AU2010267855 A1 20120209	AU20100905645 20101223	C01F11/18; C09K5/10; F24J2/46	OMYA DEVELOPMENT AG [CH]; LONGUEMARD JEAN- PAUL [FR]	Coolant
AU2010268759 A1 20120202	AU20110101362 20111024	F24J2/04; F24J2/05; F24J2/06; F24J2/24; F24J2/46; F24J2/50; F28F3/02	DENSO AUTOMOTIVE SYSTEMS AUSTRALIA PTY LTD	Solar heat collector panels

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AU2010268769 A1 20120209	AU20110101430 20111103	F24J2/00; F22B1/00; F24J2/12; F24J2/14; F24J2/42; F28D20/00	WIZARD POWER PTY LTD [AU]	Vapour only cycling of heat transfer fluid for the thermal storage of solar energy
AU2010269395 A1 20120202	AU20110902269 20110608; AU20110100888 20110716	F22B3/00; F22B33/18; F24J2/42	IHI CORP [JP]	Vapor supply device
AU2010271387 A1 20120202	AU20120200719 20120207	F01K13/00	AREVA SOLAR INC [US]	Solar powered heating system for working fluid
AU2010272260 A1 20120202	AU20120201047 20120223	F03D9/00	LEVIATHAN ENERGY WIND LOTUS LTD [IL]	Telecom tower vertical axis wind turbines
AU2010272736 A1 20120202	AU20120201056 20120223	F24J2/14; F24J2/10; F24J2/52	SOLARLITE GMBH [DE]	Segment of a solar collector and solar collectors
AU2010275826 A1 20120209	BE20080000558 20081008	F24J2/54	TECNOSUN SOLAR SYSTEMS AG [DE]	Tracking device for a photovoltaic system, and method for installing such a tracking device
AU2010278943 A1 20120209	BE20090000343 20090605; WO2010IB52424 20100531	F24J2/52; H01L31/042	PANELCLAW INC [US]	Ground mounted solar module integration system
AU2010279518 A1 20120223	BE20100000110 20100222; EP20100169137 20100709	F24J2/10; F24J2/14; F24J2/46	COMBINED POWER COOPERATIVE [US]	Systems and methods of generating energy from solar radiation
AU2010282210 A1 20120119	BE20100000262 20100427	F24J2/00; F02G1/00; F02G1/043; F03G6/00; F03G7/06; F24J2/46; H01L31/00; H02N6/00	GRAPHITE ENERGY N V [NL]	Release of stored heat energy to do useful work
AU2010282232 A1 20120301	BE20100000359 20100616	F03G6/06; F24J2/42; F24J2/48; F28D20/02	GNOMON TECHNOLOGIES PTY LTD [AU]	Thermal energy storage apparatus, arrangement and method
AU2010282524 A1 20120308	BR2009MU8902674U 20091118	F24J2/10; F24J2/14	SOPOGY INC [US]	Solid core structure parabolic trough solar energy collection system

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AU2010285025 A1 20120405	BR2009PI04919 20091117	C10G1/10; C07C1/00; C10G2/00; C10G3/00; C25B1/04; F24J2/00; H01L25/00; H01L31/00	ANTECY B V [NL]	Artificial photosynthesis
AU2010286112 A1 20120308	BR2010MU9000463U 20100319	F24J2/05	KINGSPAN HOLDINGS IRL LTD [IE]	A solar collector
AU2010286953 A1 20120209	BR2010MU9000864U 20101006	H01L31/042; F24J2/52; H01L31/048	ZEP SOLAR INC [US]	Pivot-fit frame, and method for photovoltaic modules
AU2010289081 A1 20120412	BR2010PI00291 20100119	H01L31/052; F24J2/46; H02N6/00	LIAO HENRY	Solar photovoltaic device and system
AU2010289642 A1 20120405	BR2010PI03013 20100823	F24J2/22; F24J2/46; F24J2/52	3M INNOVATIVE PROPERTIES CO [US]	Concentrating solar mirror panel assembly with corrugated stiffener
AU2010289904 A1 20120223	CA20092658193 20090312; US20100298460P 20100126	F03G7/04; F22B33/18; F24H8/00	MCALISTER TECHNOLOGIES LLC [US]	Energy system for dwelling support
AU2010294274 A1 20120315	CA20092672760 20090723; CA20092673702 20090723; CA20092673703 20090723; WO2010CA01118 20100719; WO2010CA01119 20100719; WO2010CA01120 20100719	F24J2/52; F24J2/54	SCHUECO INT KG [DE]	Module arrangement consisting of solar modules
AU2010295374 A1 20120405	CA20092672760 20090723; WO2010CA01118 20100719	F03G7/00; F03G6/06; F24J2/04; F24J2/30; F24J2/38	MASSACHUSETTS INST TECHNOLOGY [US]	Concentrated solar power system

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AU2010298244 A1 20120412	CA20092673702 20090723; WO2010CA01120 20100719	F24J2/10; F24J2/18; F24J2/52; F24J2/54	EAGLE EYE RES INC	Solar concentrator system with fixed primary reflector and articulating secondary mirror
AU2010303403 A1 20120503	CA20092673703 20090723; WO2010CA01119 20100719	F24J2/00	ORSELLO ROBERT	Method and system for concentration of solar thermal energy
AU2010303405 A1 20120503	CA20102702463 20100426; CA20102702472 20100426	F24J2/10	ORSELLO ROBERT	System and method for heat rejection in a solar power collection system
AU2010303490 A1 20120503	CA20102709723 20100719	F24J2/14; F24J2/38; F24J2/40; F24J2/54	PRUEITT MELVIN	High leverage trough solar collector
AU2010303499 A1 20120426	CA20102712036 20100705	F24J2/07; F24J2/14; F24J2/18; F24J2/24	AREVA SOLAR INC [US]	Multi-tube solar thermal receiver
AU2010304891 A1 20120503	CA20102714518 20100909	F24J2/07; F24J2/08; F24J2/38; F24J2/46; F24J2/52; F24J2/54; H01L31/052	SOLAR PERFORMANCE ET DEV	Device for concentrating solar radiation
AU2010305868 A1 20120510	CA20102714582 20100811; CA20112748714 20110810	F24J2/07; F24J2/46; F28F13/06; F28F13/12	CENTRE NAT RECH SCIENT [FR]	Textured modular solar surface receptor operating at a high temperature
AU2010306040 A1 20120412	CA20102715754 20100924	G02B5/10; F24J2/10; F24J2/14	EVONIK DEGUSSA GMBH	Concentrator for solar energy generation and the production thereof from polymeric materials
AU2010306419 A1 20120531	CA20102715754 20100924; CA20112740320 20110504; CA20112740264 20110513	F24J2/10; F24J2/12; H01L31/042	CONSUNTRATE PTY LTD	A solar collector
AU2010308304 A1 20120517	CA20102719628 20101101	H01L31/042; F24J2/52; H01L31/048	DOW GLOBAL TECHNOLOGIES LLC	A direct mounted photovoltaic device with improved front clip

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			[US]	
AU2010310453 A1 20120517	CA20102720779 20101110	F24J2/14	GOSSAMER SPACE FRAMES [US]	Thin mirror with truss backing and mounting arrangement therefor
AU2010310897 A1 20120614	CA20102721850 20101119	F24D11/00; F24D15/02; F24J2/34; F24J2/44	WEST SHANE	Thermal regulation system
AU2010315985 A1 20120614	CH20070000580 20070405	F24J2/04; E04D13/18	FLAAX HOLDING AS	Solar cell roof tiles
AU2010316230 A1 20120503	CH20090000020 20090108; WO2010CH00003 20100107	F24J2/38; F24J2/10; G02B7/182	MITSUBISHI HEAVY IND LTD [JP]	Sunlight collection system, and method for adjusting reflecting mirror of sunlight collection system
AU2010317684 A1 20120412	CH20100001235 20100728	F24J2/02; F16B1/00; F16B7/00; F16L3/01; F16M13/00; F24J2/04; F24J2/24; F24J2/52; F28D1/053; F28D7/12; F28D7/16	WATERCO LTD [AU]	Modular thermal water solar panel system
AU2010321671 A1 20120607	CH20100001732 20101021	F24J2/46; C02F1/14	FIRST GREEN PARK PTY LTD [AU]	Solar still assembly
AU2010322306 A1 20120405	CH20100001733 20101021	F24J2/10; H01L31/042; H01L31/052	SUNPOWER CORP [US]	A device and method for solar power generation
AU2010322430 A1 20120419	CH20100001744 20101024	F24J2/44	TEOH SIANG	Coaxial tube solar heater with nighttime cooling
AU2010326436 A1 20120614	CH20100001745 20101024	F23G5/027; F23G5/16; F23G7/00; F24J2/42	PERRY OPHNEIL; CHALABI RIFAT	Gasification system
AU2010326605 A1 20120621	CH20100001746 20101024	F24J2/05; F24J2/07; F24J2/46	SCHOTT SOLAR AG [DE]	Absorber tube

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AU2010326610 A1 20120607	CH20100001746 20101024; CH20100001744 20101024; CH20100001745 20101024; CH20100001776 20101025	F24J2/07; F24J2/14; F24J2/48	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]	Heat receiver tube, method for manufacturing the heat receiver tube, parabolic trough collector with the receiver tube and use of the parabolic trough collector
AU2010328621 A1 20120517	CH20100001819 20101030	F24J2/52; H01L31/042; H01L31/048	DOW GLOBAL TECHNOLOGIES LLC [US]	A direct mounted photovoltaic device with improved clip
AU2010328633 A1 20120621	CH20100002163 20101223	F02D41/04; F02D41/14; F02D41/20; F02M51/02	MCALISTER TECHNOLOGIES LLC [US]	Adaptive control system for fuel injectors and igniters
AU2010334038 A1 20120621	CL20100000848 20100806	F03G6/00; F24J2/24	mitsubishi heavy ind LTD [JP]	Solar light heat receiver, and solar light collecting and heat receiving system
AU2010338177 A1 20120614	CN20082102376U 20080516	F16C17/02; F24J2/54	SAINT GOBAIN PERFORMANCE PLAST [US]	Renewable energy source including an energy conversion structure and a bearing component
AU2010352496 A1 20120621	CN20091159996 20090805; WO2010CN75477 20100727	F24H6/00; F24J2/00	SHANGHAI JITE ENTPR CO LTD	Method for refitting ordinary gas or electric water heater into solar water heater
AU2011100888 A4 20120216	CN20092123328U 20090629; CN20102249410U 20100628	F24F5/00; F24J2/04	HASTINGS ROSS	A Solar Air Conditioning System
AU2011101362 A4 20120322	CN20092156078U 20090523; CN20091178668 20090922; WO2010CN00713 20100520	F24J2/46	ASCIK CONSTANTINE	Asciak solar panel



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AU2011101430 A4 20120202	CN20092253764U 20091123	F24J2/00; F22B1/00; F24J2/04; F24J2/06; F24J2/38; F24J2/40	SHELTON PETER	Solar fusion generator
AU2011101559 A4 20120112	CN20101154644 20100426; WO2010CN76528 20100901	E04D13/18; E04B1/38; F24J2/52	LAING PEACH RODERICK	Solar panel support bracket
AU2011101639 A4 20120119	CN20101178012 20100520	H02J1/00; F24J2/46	CHANGZHOU NESL SOLARTECH CO LTD	Control device of solar power generating system and detachable all-in-one generator
AU2011202486 A1 20120329	CN20101178014 20100520	F24J2/40; F24D19/00; F24H1/18	WU JIE QIN	Split non-pressurised solar water heating systems
AU2011203505 A1 20120202	CN20101200337D 20100630	F24H1/18; F24H1/20; F24J2/40; H04B1/38	DUX MFG LTD	Remote control of hot water system
AU2012100075 A4 20120223	CN20101216080 20100630	H01L31/042; E04D3/361; E04D13/18	AXUNTEK SOLAR ENERGY	Solar tile structure
AU2012200719 A1 20120301	CN20101217119 20100702	F24D19/10; F24D17/00; F24H9/20; F24J2/40	DUX MFG LTD	Methods and apparatuses for operating hot water systems
AU2012201047 A1 20120315	CN20101223952 20100701	F24J2/02; A47J27/00; A47J31/44; A47J36/24; F24J2/04; F24J2/05; F24J2/42; F24J2/54	W & E INTERNAT CANADA CORP [CA]; LIN HUAZI [CA]	Solar cooking appliances
AU2012201056 A1 20120315	CN20101224813 20100708	F24J2/02; A47J27/00; A47J31/44; A47J36/24; A47J37/00; F24J2/04; F24J2/05; F24J2/42; F24J2/54	LIN HUAZI [CA]; W & E INTERNAT CANADA CORP [CA]	Solar cooking appliances
AU2012201674 A1 20120412	CN20101228115 20100707	F24J2/54; F24J2/14	SENER ING & SIST [ES]	Support arm, cylindrical-parabolic solar collector support and method of producing said arm
AU2012202676 A1 20120531	CN20101229300 20100716	F24J2/05; F24J2/32; F24J2/46	KINGSPAN HOLDINGS IRL LTD [IE]	A solar collector
BE1019029 A3 20120110	CN20101229307 20100716	F24J2/04	BARROO STEFAAN GASTON CORNEEL [BE]	KLIMATISATIE-INRICHTING.

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BE1019082 A5 20120207	CN20101229316 20100716	F24J2/52	B & L [BE]	PANEELMONTAGESYSTEEM.
BE1019319 A5 20120605	CN20101229320 20100716	E04D13/03; F21S11/00; F24J2/38	ECONATION [BE]	LICHTKOEPEL.
BE1019376 A5 20120605	CN20101229329 20100716	F24J2/52	IZEN ENERGY SYSTEMS NV [BE]	SAMENSTEL VAN EEN PANEELVORMIG ELEMENT EN EEN DRAAGSTRUCTUUR.
BRMU8902674U U2 20120103	CN20101229570 20100719	F24J2/46	AGOSTINI ASSISTENCIA TECNICA LTDA [BR]	disposição construtiva aplicada em coletor solar
BRMU9000463U U2 20120110	CN20101229591 20100719	F24J2/46	PRO SOL IND E COM DE PRODUTOS DE EN SOLAR LTDA [BR]	disposição construtiva introduzida em elemento coletor de energia solar
BRMU9000864U U2 20120612	CN20101229861 20100707	F24J2/04	GENIOR FRANCISCON [BR]	aquecedor solar elétrico em aço inox e fibra
BRPI0612240 A2 20120424	CN20101229863 20100707	C03B13/08; C03B13/16; F24J2/06; G02B5/02	SAINT GOBAIN [FR]	conjunto compreendendo uma vidraça e um elemento capaz de coletar a energia luminosa que atravessa a referida vidraça, vidraça transparente, processo de fabricação de uma vidraça e utilização de uma vidraça transparente
BRPI0904919 A2 20120502	CN20101229865 20100707	F24J2/06	GERALDI LUIZ TADEU [BR]	sistema coletor de energia solar para geração de energia elétrica
BRPI1000291 A2 20120117	CN20101229886 20100707	F24J2/10; F24J2/06	SENA SEBASTIAO CARLOS [BR]	dispositivo concentrador de energia solar
BRPI1003013 A2 20120424	CN20101229888 20100707	F24J2/46	MININEL EUCLIDES JOSE [BR]	Sistema construtivo aplicado à tubulação de coletor solar
CA2709723 A1 20120119	CN20101229890 20100707	F03D11/04; F03D3/04; F03G6/00; F24J2/52	KIMBERG SERGE [CA]	SYSTEM AND METHOD FOR ELECTRICAL POWER GENERATION FROM RENEWABLE ENERGY SOURCES
CA2714518 A1 20120309	CN20101229913 20100707	F24J2/52	CHE YANJUNYJC [CA]	BALLASTING SOLAR PANEL SUPPORT SYSTEM
CA2715754 A1 20120324	CN20101229915 20100707	F24J2/52	BIGRAS KYLE [CA]	SYSTEM FOR ADJUSTABLY MOUNTING AN ARTICLE
CA2717103 A1 20120206	CN20101229922 20100707	F24J2/52; B65B23/00; B65B25/00;	FIRST SOLAR INC [US]	FOLDING MOUNT FOR PHOTOVOLTAIC MODULES

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		H01L31/042		
CA2717691 A1 20120129	CN20101229925 20100707	F16M1/00; E04D13/18; F16B2/06; F16B5/06; F24J2/52; H01L31/02	FIRST SOLAR INC [US]	SLIDER CLIP AND PHOTOVOLTAIC STRUCTURE MOUNTING SYSTEM
CA2717693 A1 20120129	CN20101229937 20100707	F16M1/00; E04D13/18; F24J2/52; H01L31/02	FIRST SOLAR INC [US]	A MOUNTING SYSTEM SUPPORTING SLIDABLE INSTALLATION OF A PLURALITY OF SOLAR PANELS AS A UNIT
CA2719628 A1 20120501	CN20101229939 20100707	F16M1/00; E04D13/18; F16B5/00; F24J2/52; H01L31/02	SOLAR POWER PRODUCTS INC [CA]	SOLAR PANEL SUPPORT SYSTEM
CA2720779 A1 20120510	CN20101229940 20100707	F24J2/54; F24J2/38; F24J2/40	GREEN PLUS CO LTD [KR]; PARK YOUNG HWAN [KR]	APPARATUS FOR TRACKING AND CONDENSING SUNLIGHT OF WALL INSTALLATION TYPE
CA2721850 A1 20120519	CN20101229957 20100707	F24J2/52	ABAR WARREN [CA]	MULTI-POSITION SOLAR PANEL RACK
CA2740264 A1 20120324	CN20101229958 20100707	F16M11/06; F16M1/00; F16M7/00; F24J2/52	FABRACK SOLAR INC [CA]	SYSTEM AND KIT FOR ADJUSTABLY MOUNTING AN ARTICLE
CA2740667 A1 20120129	CN20101229971 20100707	H01L31/042	FIRST SOLAR INC [US]	METHOD AND APPARATUS PROVIDING SIMPLIFIED INSTALLATION OF A PLURALITY OF SOLAR PANELS
CA2746638 A1 20120114	CN20101229975 20100707	F24J2/08	LIEVRE LAURIER [CA]	SOLAR HEAT COLLECTOR
CA2746873 A1 20120121	CN20101229977 20100707	F24J2/04; E04B7/00; E04D13/00	KELLY THOMAS L [US]	HEAT COLLECTION ROOFING SYSTEM AND METHOD FOR COLLECTING HEAT WITHIN A ROOF
CA2748714 A1 20120211	CN20101229980 20100707	F24J2/24	POWER RANDAL JOSEPH HAROLD [CA]	MODULAR SOLAR HEAT COLLECTOR
CA2749450 A1 20120225	CN20101229989 20100707	F24J2/10; F24J2/52	MAGNA INT INC [CA]	PRIMARY LOCATING FEATURE

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CA2751259 A1 20120301	CN20101230327 20100719	F24J2/52; E04D13/18; F16B5/00; F16M1/00; F16S3/00	MOUNTING SYSTEMS GMBH [DE]	PROFILE RAIL, SUPPORT ELEMENT AND SOLAR MODULE ARRANGEMENT FORMED THEREWITH, IN PARTICULAR FOR TRANSVERSAL MOUNTING OF SOLAR MODULES
CA2751640 A1 20120229	CN20101230351 20100719	D06F57/04; F24J2/02; F24J2/54	GREENWAY HOME PRODUCTS LTD [CA]	CLOTHES DRYING DEVICE
CA2755748 A1 20120426	CN20101230882 20100707	F01K19/10; F01D15/10; F24J2/06; F24J3/08; F25B30/00	SIEMENS AG [DE]	METHODS FOR COOLING A CARRIER FLUID OF AN ELECTRIC POWER PLANT, ELECTRIC POWER PLANTS AND COOLING SYSTEM
CA2759140 A1 20120524	CN20101230885 20100707	H01L31/042; F16H25/08; F16M1/00; F16M11/04; G02B7/00; H02K7/116	MAGNA CLOSURES INC [CA]	SOLAR PANEL SYSTEM
CA2759966 A1 20120603	CN20101230887 20100707	F16B5/06; F16B2/12	HILTI AG [LI]	CLAMP FOR A PLATE ELEMENT, ESPECIALLY FOR A PHOTOVOLTAIC MODULE
CA2761355 A1 20120609	CN20101230936 20100707	B32B7/02; B32B33/00; E04D13/18; F24J2/42; G02B5/22	CERTAIN TEED CORP [US]	MEMBER FOR A STRUCTURE INCLUDING A SOLAR CONTROL LAYER
CH703472 A1 20120131	CN20101231173 20100720	H01L31/058; F24J2/30	RAMANI DRITAN DIPL TECHNIKER HF [CH]	Hybrid solar collector for use in solar air system, has heat exchanger chamber in thermally conductive connection with photovoltaic module, and another heat exchange chamber with terminals for passage of heat transfer medium
CH703685 B1 20120315	CN20101232339 20100716	F24J2/05; F24J2/54	ZENCO GMBH [CH]	Alternate collector for absorption, reflection or transmission of sunlight, has multiple collector elements with two different active sites behind translucent cover
CH703995 A2 20120430	CN20101232564 20100715	F24J2/14; F24J2/24	AIRLIGHT ENERGY IP SA [CH]	Rinnenkollektor sowie Absorberrohr für einen Rinnenkollektor

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CH703998 A1 20120430	CN20101234309 20100722	F24J2/06; F24J2/24; G02B3/08	AIRLIGHT ENERGY IP SA [CH]	Solar collector comprises first concentrator arrangement having first radiation path with combustion line portion, which exhibits incident solar radiation alternately in operating region, and absorber arrangement for concentrated radiation
CH704006 A1 20120430	CN20101236172 20100726	F24J2/14; F24J2/24; F24J2/38	AIRLIGHT ENERGY IP SA [CH]	Solar collector comprises first concentrator arrangement having first radiation path with combustion line portion, which exhibits incident solar radiation alternately in operating region, and absorber arrangement for concentrated radiation
CH704007 A1 20120430	CN20101238718 20100727	F24J2/14; F24J2/24; F24J2/38	AIRLIGHT ENERGY IP SA [CH]	Solar collector comprises first concentrator arrangement having first radiation path with combustion line portion, which exhibits incident solar radiation alternately in operating region, and absorber arrangement for concentrated radiation
CH704015 A2 20120430	CN20101238817 20100728	F24J2/10	NEY CHRISTOPHE [CH]	Linear concentrator for use in solar energy concentration power plant, has cylindro-parabolic mirror whose curved profile reflects rays obtained from plane mirror by progressively concentrating rays towards downstream focal point
CN102303463 A 20120104	CN20101238931 20100727	B41M1/40; F24J2/46; G09F3/02	Chen Xu	Solar dryer
CN102305199 A 20120104	CN20101240708 20100730	F03G6/06; F22B1/06; F22B33/18; F24J2/10; F24J2/34	Xu Tiangui	Solar energy heat-collecting panel
CN102305430 A 20120104	CN20101243629 20100803	F24D17/00; F24J2/00	Hainan Normal University	Intelligent water-feeding and alarming device of solar water heater
CN102305475 A 20120104	CN20101243745 20100803	F24J2/00; F24J2/46	ZHANG QINGWANG	Temperature control and heat insulation protection device for solar heat collector
CN102305476 A 20120104	CN20101244523 20100727	F24J2/02; F24J2/00; F24J2/12; F24J2/40	ZHANG SHAOJUN	Long-distance split type solar water heater

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CN102305477 A 20120104	CN20101244759 20100804	F24J2/04; C02F9/02	DALIAN ART FLOW CONTROL CO LTD	Pressure-bearing air energy and solar energy combined complementary type energy-saving water heater
CN102305478 A 20120104	CN20101247467 20100801	F24J2/05; F24J2/06; F24J2/24; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Pressure-bearing type solar water heater
CN102305479 A 20120104	CN20101247800 20100803	F24J2/30; F24J2/46	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Exhaust device of solar thermal collector
CN102305480 A 20120104	CN20101248405 20100809	F24J2/34; F24J2/46	INSTITUTE OF ELECTRICAL ENGINEERING, CHINESE ACADEMY OF SCIENCES	Quick-heating solar water heating device
CN102305481 A 20120104	CN20101249888 20100810	F24J2/34; F24J2/46	Fan Genxi;Yang Yusen;Fan Dan;Yang Yurong	Fresnel solar photo-thermal converting device having combined heat collecting tube in sandwich-type heat insulation sleeve
CN102305482 A 20120104	CN20101250585 20100811	F24J2/46; F24J2/40	Yang Mingxue	Heat collecting module and heat collecting system of solar building glass integration
CN102305483 A 20120104	CN20101251223 20100808	F24J2/46; F24J2/50	ZHANG JIANCHENG	Antifreezing solar collector
CN102305484 A 20120104	CN20101252140 20100813	F24J2/46; F24J2/50	LI DEJIE	Solar power water feeder
CN102305485 A 20120104	CN20101252368 20100812	F24J2/46	FAN MINGHE	Width-adjustable heat collection plate of solar water heater
CN102305486 A 20120104	CN20101252947 20100815	F24J2/46	FAN MINGHE	Air exhausting device for high-temperature solar evacuated collector tube
CN102305487 A 20120104	CN20101253191 20100816	F24J2/48	LI DEJIE	Device for applying positioning universal wheel to solar cooker
CN102308157 A 20120104	CN20101253453 20100816	F24J2/10; F24J2/24; F24J2/38	GLASSPOINT SOLAR INC [US]	Combined heat and power concentrating photovoltaic system based on water cooling of internal micro-tubes
CN102308158 A 20120104	CN20101253669 20100816	F24J2/10; F24J2/12; H01L31/042	Chae Soo-joh	Dual-purpose solar water heater for bathing and electricity generating

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CN102308159 A 20120104	CN20101254301 20100816	F24J2/38; F24J2/40; F24J2/52	Inspired Surgical Technologies, Inc.	Novel combined environment-friendly housing solar cooker
CN102312497 A 20120111	CN20101258084 20100811	E04B2/88; E04B1/76; E04D13/18; E04G21/14; F24J2/30; F24J2/46; F24J2/50	Beijing Yunte Technology Co Ltd.	Double-tank molten salt heat storage system
CN102312528 A 20120111	CN20101258531 20100813	E04C2/54; C03C27/06; E04C5/00; E04C5/02; E04C5/07; F24J2/46	Lv Huaimin;Lv Shen	Double-condensing cross circulating heat pipe for solar water heater
CN102312585 A 20120111	CN20101259477 20100820	E04H1/12; F24J2/05; F24J2/30; F24J2/46	Hou Guoshan	Pipe support for close pitched pipe
CN102312586 A 20120111	CN20101260328 20100816	E04H1/12; E04D13/18; F24J2/30; F24J2/46	Hou Guoshan	Scale preventer of solar water heater
CN102312792 A 20120111	CN20101260337 20100816	F03D9/02; F01D15/10; F03G6/00; F24J2/00	Liu Haiyuan	Flat heat collector
CN102313278 A 20120111	CN20101261222 20100816	F22D1/00; F24J2/04; F24J2/46	Suzhou Wugan Pharmaceutical Co Ltd.	Passive material drying device
CN102313329 A 20120111	CN20101261225 20100816	F24F5/00; F24F11/02; F24J2/04	Changsha University of Science and Technology	High-efficiency solar multi-working medium energy accumulator
CN102313361 A 20120111	CN20101263225 20100826	F24J2/00; F24J2/05; F24J2/24; F24J2/46; F24J2/52	HUANG YONGSHENG	Control apparatus and separable combined power generation all-in-one machine for solar energy power generation system
CN102313362 A 20120111	CN20101263869 20100824	F24J2/02; A45B23/00; A45B25/18; F24J2/52	Shanghai Jingan No.2 Central Primary School	Double inner liner solar water heater water tank
CN102313363 A 20120111	CN20101263910 20100827	F24J2/02; F24F5/00; F24J2/05; F24J2/46; F24J2/52; H02N6/00	Wang Haijing	Automatic water feeding device of solar water heater
CN102313364 A 20120111	CN20101264077 20100817	F24J2/20; F24J2/48	BEIJING SOLAR ENERGY RESEARCH INSTITUTE CO LTD.	Solar heating bag
CN102313365 A 20120111	CN20101264650 20100827	F24J2/30; F24J2/00; F24J2/46; F24J2/50	Hou Guoshan	Combined hot water producing device utilizing wind energy and solar energy
CN102313366 A 20120111	CN20101266778 20100831	F24J2/30; F24J2/46	Hou Guoshan	Digital solar-energy water boiler

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CN102313367 A 20120111	CN20101268943 20100831	F24J2/30; F24J2/00; F24J2/46	Hou Guoshan	Novel mechanical solar cooker
CN102313368 A 20120111	CN20101270991 20100901	F24J2/30; F24J2/46	Hou Guoshan	Wall embedding type efficient solar water heater
CN102313369 A 20120111	CN20101272776 20100903	F24J2/30; F24J2/00; F24J2/46; F24J2/50	Hou Guoshan	Wind machine and heat pump auxiliary solar hot water supply device
CN102313370 A 20120111	CN20101272784 20100903	F24J2/30; F24J2/46	Hou Guoshan	Air-source heat pump and solar energy integrated water heater
CN102313371 A 20120111	CN20101272803 20100903	F24J2/30; F24J2/46	Hou Guoshan	Photovoltaic photo-thermal combined water heater
CN102313372 A 20120111	CN20101273441 20100907	F24J2/30; F24J2/00; F24J2/46	Hou Guoshan	Aluminium-based high weather-proof selectivity adsorption coating
CN102313373 A 20120111	CN20101273626 20100901	F24J2/30; F24J2/00; F24J2/46	Hou Guoshan	Trough solar collector bracket with reinforcing rods
CN102313374 A 20120111	CN20101275624 20100907	F24J2/30; F24J2/46	Hou Guoshan	Groove type solar heat collector tubular type support
CN102313375 A 20120111	CN20101275629 20100907	F24J2/34; F24J2/32; F24J2/46; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Guide-rail sectional material
CN102313376 A 20120111	CN20101277634 20100910	F24J2/40	ANHUI TULIP NEW ENERGY TECH CO LTD.	Solar energy cavity heat absorber capable of generating superheated steam
CN102313377 A 20120111	CN20101279188 20100913	F24J2/46; F24H9/00	He Shupeng	Water mixing valve apparatus
CN102313378 A 20120111	CN20101279565 20100910	F24J2/46; F24H9/00	Hou Guoshan	Far infrared/solar energy low temperature drying box
CN102313379 A 20120111	CN20101284437 20100917	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Solar energy teakettle
CN102313380 A 20120111	CN20101285013 20100917	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Installation structure of flat water heater
CN102313381 A 20120111	CN20101285265 20100919	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Solar heat power generating system
CN102313382 A 20120111	CN20101286255 20100919	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Preheater for boiler



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CN102313383 A 20120111	CN20101286341 20100919	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Optic/electric dual-purpose solar water heater
CN102313384 A 20120111	CN20101287053 20100909	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Solar energy and air source heat pump combined machine
CN102313385 A 20120111	CN20101287529 20100919	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Pollution discharge hole plug of water tank
CN102313386 A 20120111	CN20101287615 20100919	F24J2/46; F24H9/00	Hou Guoshan	Expandable solar water heater header with heat collecting tubes
CN102313387 A 20120111	CN20101288230 20100921	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Intelligent solar central water heating system
CN102313388 A 20120111	CN20101289200 20100925	F24J2/46; F24H9/00; F24H9/18	Hou Guoshan	Solar power generation water heater
CN102313389 A 20120111	CN20101289218 20100925	F24J2/46; F24H9/00	Hou Guoshan	Water supplying device of solar water heater capable of adjusting water amount
CN102313390 A 20120111	CN20101289580 20100925	F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Energy storing device
CN102313391 A 20120111	CN20101289609 20100917	F24J2/46	SHANDONG LINUO PARADIGMA CO LTD	Fastening device for solar energy frame
CN102317705 A 20120111	CN20101290921 20100920	F24J2/00	Yeda Res & Dev	Support for quickly arranging solar water heater
CN102317706 A 20120111	CN20101294086 20100928	F24J2/07; F24J2/10; H01L31/052; H01L31/058	Absolicon Solar Concentrator A	Multifunctional water-heating air-conditioning system
CN102317707 A 20120111	CN20101295091 20100929	F24J2/22; F24J2/00	Heliofocus Ltd.	Solar water heater
CN102317708 A 20120111	CN20101298280 20100930	F24J2/32	Sophia Antipolis EN DEV; COMMISSARIAT ENERGIE ATOMIQUE [FR]	Automatic cleaning system for vacuum tube of solar water heater
CN102317945 A 20120111	CN20101298405 20100930	G06F17/50; H01L31/00	SUNPOWER CORP [US]	Equipment for dehumidifying and baking air- source high temperature heat pump
CN102322116 A 20120118	CN20101299889 20100929	E04F11/18; F24J2/46	Chen Xiangfeng	Inner container pressure test plug for double- tube bank heat collector

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CN102322117 A 20120118	CN20101500313 20101008	E04F11/18; F24J2/46	Chen Xiangfeng	Automatic emptying valve of solar water heater
CN102322693 A 20120118	CN20101500486 20100930	F24J2/00; F24J2/40; F24J2/46	MIDEA HOLDING CO LTD	Horizontal type solar water tank with split enamel inner container
CN102322694 A 20120118	CN20101500558 20101008	F24J2/05; F24J2/06; F24J2/30; F24J2/34; F24J2/46	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	Full glass three-way vacuum solar heat- collecting tube
CN102322695 A 20120118	CN20101500566 20101206	F24J2/05; F24J2/46	China Architecture Design & Research Group	Frame section bar
CN102322696 A 20120118	CN20101500588 20100930	F24J2/24; F24J2/05; F24J2/46	A O SMITH CHINA WATER HEATER CO LTD	Split-type solar energy water tank provided with anti-corrosion interlayers
CN102322697 A 20120118	CN20101500589 20100930	F24J2/38	Changzhou University	Solar photovoltaic and photo-thermal integrated modular collector
CN102322698 A 20120118	CN20101500590 20100930	F24J2/40; F24J2/46	Fan Guangzhu	Solar water heater pipeline emptier
CN102322699 A 20120118	CN20101500599 20100930	F24J2/46; F24J2/40	ZHAO YISHAN	Combination type tee-joint solar heat-collection pipe
CN102322700 A 20120118	CN20101500605 20100930	F24J2/46; G01L11/00	Wuxi Greenport Technology Co Ltd.	Frame of flat plate type solar heat collector
CN102326033 A 20120118	CN20101501589 20101011	F24J2/04; F24J2/42	Azuma Solar Co Ltd.	Transversally arranged solar heat-collecting device with water remained in vacuum heat- collecting pipes
CN102326034 A 20120118	CN20101502582 20101011	F24J2/38; F24J2/40; H01L31/042	Solfocus, Inc.	Spherical cavity type solar energy thermal absorber provided with inner-concaved glass cover
CN102326162 A 20120118	CN20101503502 20101012	G06F17/50; H01L31/00	SUNPOWER CORP [US]	Storage device for intermediate/high temperature solar energy
CN102326163 A 20120118	CN20101505881 20101001	G06F17/50; H01L31/00	SUNPOWER CORP [US]	Solar water heater with double water tanks
CN102326164 A 20120118	CN20101505936 20101001	G06F17/50; F24J2/00	SUNPOWER CORP [US]	Double-vacuum solar heat collector

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CN102330793 A 20120125	CN20101506031 20101014	F16H1/20; F24J2/38	Zhang Qiming	Solar energy stainless-steel water tank inner container
CN102330800 A 20120125	CN20101507556 20101006	F16H19/04; F16H1/18; F16H19/08; F24J2/38	Zhang Qiming	Solar vacuum pipe heat-collecting device
CN102330826 A 20120125	CN20101508758 20101009	F16K5/08; F24J2/02; F24J2/40	Zhang Qiming	Normal-pressure heat collection type solar energy heating and hot-water branched machine set
CN102330964 A 20120125	CN20101509411 20101015	F22B1/00; F24J2/05	Li Zeming	Domestic latent heat storage type full-vacuum glass solar water heater
CN102331092 A 20120125	CN20101515987 20101022	F24J2/04; F24J2/46; F24J2/50	Suzhou Jiayan Energy Equipment Co Ltd.	Three-side tube four-season solar energy water heater
CN102331093 A 20120125	CN20101517287 20101025	F24J2/05; F24J2/12; F24J2/38; F24J2/46	Zhang Qiming	Full-vacuum flat-plate solar collector
CN102331094 A 20120125	CN20101518593 20101025	F24J2/24; F24J2/46; F24J2/51	HARBIN INST OF TECHNOLOGY	Solar self-controlling constant temperature water outlet device
CN102331095 A 20120125	CN20101519637 20101019	F24J2/32; F24J2/14; F24J2/46; F24J2/51	ANHUI DUODA WANJING NEW ENERGY CO LTD.	Automatic shading device of solar energy collector
CN102331096 A 20120125	CN20101519966 20101026	F24J2/40	Cao Shuliang	U-shaped flat board solar energy vacuum heat pipe collector
CN102331097 A 20120125	CN20101520248 20101020	F24J2/46; F24J2/40	Xie Qingyun	Solar energy water heater device with high efficiency
CN102331098 A 20120125	CN20101520254 20101020	F24J2/46	Zhang Qiming	Pressure bearing type solar water heater with jacketed water tank
CN102331099 A 20120125	CN20101520594 20101026	F24J2/46	Zhang Qiming	Solar heater with enduring thermal storage
CN102331100 A 20120125	CN20101520629 20101027	F24J2/46	Shi Zhaoshan	Soar heat collection and storage device
CN102331101 A 20120125	CN20101522120 20101026	F24J2/46; F24J2/40	ZHAO YISHAN	Runner tube
CN102331102 A 20120125	CN20101524157 20101025	F24J2/46	ZHAO YISHAN	Solar water heater

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CN102331620 A 20120125	CN20101524388 20101029	G02B19/00; F24J2/06; F24J2/38; G02B7/182; G02B7/198	Zhang Qiming	Solar energy water heater provided with water tanks in two layers
CN102338052 A 20120201	CN20101525532 20101025	F03G6/06; C03C17/22; F24J2/05	LU FEIFEI	Siphon pipe assembly device for solar heater
CN102338473 A 20120201	CN20101525575 20101025	F24J2/00; F03G6/06; F24J2/46; F24J2/50	LIU XINGUANG	Solar water heater
CN102338475 A 20120201	CN20101525674 20101025	F24J2/00; F24J2/46	Chen Zhuo	Photoelectric heating flat-plate type water heater
CN102338476 A 20120201	CN20101525770 20101025	F24J2/00; F24J2/46; F24J2/48	Liu Yang	Wall hanging type solar energy water heater
CN102338477 A 20120201	CN20101528988 20101030	F24J2/00; F24H4/02; F24J2/40	Zhejiang Zhengli Shengneng Technology Co Ltd.	Adjustable triaxial tile hook structure
CN102338478 A 20120201	CN20101528997 20101030	F24J2/05; F03B13/00; F24J2/10	LIU XINGUANG	Double-way solar vacuum heat collecting pipes with reflectors
CN102338479 A 20120201	CN20101529038 20101030	F24J2/20; F24J2/46; F24J2/48	Shenzhen Blueview Solar Co Ltd.	Groove type solar reflection mirror condenser
CN102338480 A 20120201	CN20101529056 20101030	F24J2/26; F24J2/46	Xu Zeshan	Heat insulation bucket of solar water heater
CN102338481 A 20120201	CN20101529083 20101030	F24J2/26; F24J2/46	Xu Zeshan	Solar water heater water tank capable of prolonging service lifetime of sensor
CN102338482 A 20120201	CN20101529465 20101021	F24J2/26; F24J2/48; F24J2/50; F24J2/52	Chen Genqi	Temperature increasing and protection device of common domestic solar water heater
CN102338483 A 20120201	CN20101530554 20101103	F24J2/34; F24J2/05; F24J2/12; F24J2/24	CGN SOLAR ENERGY DEVELOPMENT CO LTD	Solar water tank arranged at bottom of building and solar energy utilization system
CN102338484 A 20120201	CN20101530993 20101024	F24J2/34; F24J2/46	LU FEIFEI	Solar energy comprehensive utilization system
CN102338485 A 20120201	CN20101533263 20101031	F24J2/40; F24J2/38; G01L3/00	Changzhou University	Solar steering device
CN102338486 A 20120201	CN20101535103 20101109	F24J2/40; G01F23/26	Wuhu Lejia Electrical Appliances Co Ltd.	Anti-freeze solar water heater

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CN102338487 A 20120201	CN20101535351 20101108	F24J2/46	Xu Zeshan	Enamel heat exchange water tank with coil pipe for solar water heater
CN102338488 A 20120201	CN20101536270 20101109	F24J2/46	Xu Zeshan	Novel solar emptying valve
CN102338489 A 20120201	CN20101536792 20101102	F24J2/46	Xiao Jianxuan	Solar water heater
CN102338490 A 20120201	CN20101536798 20101102	F24J2/46	Xiao Jianxuan	Low temperature capillary heat pipe type solar heat pump hot water supply system
CN102338491 A 20120201	CN20101536801 20101102	F24J2/46; H01H37/52	BEIJING SOLAR ENERGY RESEARCH INSTITUTE CO LTD.	Multi-group solar heating hot water device
CN102338492 A 20120201	CN20101536804 20101102	F24J2/46; B21D53/06; F24J2/48	GUANGZHOU HOPESUN SOLAR EQUIPMENT CO LTD.	Adjustable tile hook structure
CN102338493 A 20120201	CN20101538392 20101109	F24J2/46	MIDEA HOLDING CO LTD	High efficient solar-energy water heater splicing type sealing assembly piece
CN102338494 A 20120201	CN20101540832 20101112	F24J2/48	Zou Liqiang	Large solar water heater
CN102338495 A 20120201	CN20101540843 20101112	F24J2/52	Xu Zeshan	Dechlorination type magnetized and unmagnetized solar water heater
CN102339881 A 20120201	CN20101540959 20101112	H01L31/048; F24J2/00; H01L31/052; H01L31/058	Jiangsu Ruixin Technology Co Ltd.	Heat-accumulation type large glass vacuum pipe solar-energy water heater
CN102341660 A 20120201	CN20101541570 20101102	F24J2/30; F24J2/22; F28F3/02	LRM Industries International, Inc	Solar energy heat storage furnace
CN102345347 A 20120208	CN20101543057 20101115	E04D13/18; F24J2/04	Qi Kui; Liu Donghua	Water tank shell of solar energy water heater
CN102345576 A 20120208	CN20101543061 20101115	F03G6/06; C02F1/14; F01K25/00; F24J2/16	Hangzhou Dianzi University	Solar lighting lamp and solar-thermal collection utilizing system formed by same
CN102345753 A 20120208	CN20101543071 20101115	F16K21/00; F16K31/08; F16K31/12; F24J2/46	Tang Baotian	Split solar heat collecting vacuum tube of glass heat tube
CN102345858 A 20120208	CN20101543092 20101115	F22G3/00; F22G1/16; F24J2/00	DONGFANG BOILER GROUP CO LTD.	Multifunctional hot-water bag

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CN102345935 A 20120208	CN20101543103 20101115	F24J2/00; F24J2/46	Li Xingqi	Combining device of solar energy water heater and building vertical plane
CN102345936 A 20120208	CN20101543114 20101115	F24J2/00; F24J2/40	Zhou Cailing	Solar panel installing rack
CN102345937 A 20120208	CN20101543119 20101115	F24J2/34; F24J2/40; F24J2/46	He Xun	Connection structure of water tank of solar energy water heater and support frame
CN102345938 A 20120208	CN20101543127 20101115	F24J2/46	Yao Junjie	Angle-adjustable solar energy water heater installation bracket
CN102345939 A 20120208	CN20101543136 20101115	F24J2/46; F24H9/00; F24J2/51	Jiangsu Xiaohong Solar Energy Technology Co Ltd.;Li Guangquan;Yuan Hongbin	Folded portable solar cooker
CN102345971 A 20120208	CN20101546716 20101116	F26B9/06; F24J2/04; F26B21/00; F26B25/00	JIANGSU KEDI MODERN AGIRCULTURE CO LTD.	Raw water heating system for power station
CN102347711 A 20120208	CN20101549928 20101119	H02N6/00; F24J2/24	He Xun	Vacuum heating water tank
CN102348776 A 20120208	CN20101549941 20101119	C09K5/10; C23F11/00; F24J2/46	Alpha Fry Ltd.	Bidirectional pneumatic type blowoff valve for pipeline of solar water heater
CN102348950 A 20120208	CN20101549956 20101119	F28D20/02	Rawena Countertrade Handelsgmb	Intermediate-temperature control biological treatment device
CN102350847 A 20120215	CN20101549960 20101119	B32B33/00; B32B9/04; B32B15/04; C23C14/06; C23C14/35; F24J2/48	Solareast Solar Energy Co Ltd.	Novel solar water heater
CN102352927 A 20120215	CN20101549962 20101119	F16K11/00; F24J2/46	Changshu Dongbang Huajin Electrical Appliance Factory	Dual temperature-raising region temperature raising structure of solar water heater
CN102353014 A 20120215	CN20101550304 20101119	F21S11/00; F24D15/02; F24J2/02; G05D3/12	TIANJIN UNIVERSITY	Modular integral solar water heater
CN102353144 A 20120215	CN20101550377 20101119	F24H9/00; F03B13/00; F24H9/18; F24J2/46	XU QUNQIANG	Heat absorber with upper header eccentric hoist structure
CN102353148 A 20120215	CN20101550491 20101111	F24H9/20; F24J2/40	Zhou Jian;Cen Liang	Gas-liquid two-phase heat collecting plate core

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CN102353151 A 20120215	CN20101551996 20101119	F24J2/04; F24J2/46; F24J2/51	Jiangxi Tide Energy Technology Co Ltd.	Mounting structure of heat pipe pressure-bearing type foaming plug
CN102353152 A 20120215	CN20101554898 20101123	F24J2/05; F24J2/32; F24J2/46	Yu Maofu	Solar water heater
CN102353153 A 20120215	CN20101554901 20101123	F24J2/05; F24J2/46	HUNAN UNIVERSITY	Device for utilizing waste heat of solar photovoltaic power
CN102353154 A 20120215	CN20101555147 20101123	F24J2/10; F24J2/46	Zheng Youzhang	Structure of buoyant ball box
CN102353155 A 20120215	CN20101555221 20101113	F24J2/22; F24J2/46; F24J2/48	TSINGHUA UNIVERSITY	Heat transfer improved U-shaped solar heat- collecting tube
CN102353156 A 20120215	CN20101555996 20101123	F24J2/24; F24J2/46	HARBIN INST OF TECHNOLOGY	Sunshine water boiler
CN102353157 A 20120215	CN20101556046 20101109	F24J2/34; F24J2/46	TSINGHUA UNIVERSITY	Built-in heat absorber of lower header
CN102353158 A 20120215	CN20101556050 20101109	F24J2/40	SHANDONG ELECTRIC POWER SCHOOL	Sunlight water heater capable of being flatly placed and hung
CN102353159 A 20120215	CN20101556064 20101109	F24J2/40	Cao Shuliang	Bottle type solar water heater
CN102353160 A 20120215	CN20101561548 20101126	F24J2/40	ZHAO YISHAN	Antifreeze and boiling-preventive control device for solar water heater
CN102353161 A 20120215	CN20101561549 20101126	F24J2/40; F24H9/20	Wang Cun	Circular tube quick-mounting bracket for solar water heater
CN102353162 A 20120215	CN20101562380 20101129	F24J2/46; F24J2/12	HIMIN SOLAR (SHANGHAI) CO LTD.	Energy acquiring device with solar heat collecting plate
CN102353163 A 20120215	CN20101562526 20101129	F24J2/46	Li Suming	Instant heating type solar hot water circulating device
CN102353164 A 20120215	CN20101565318 20101130	F24J2/48; C23C14/06; C23C14/08; C23C14/14; C23C14/35	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD	Hand warmer
CN102353165 A 20120215	CN20101567680 20101124	F24J2/48; C23C14/06; C23C14/08; C23C14/36	Hao Lidong	Balcony embedded-type solar heat-collecting tube hot-water device
CN102353239 A 20120215	CN20101567739 20101124	F26B9/06; F24J2/04; F26B21/00	Yangzhou University	Swimming pool heater

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CN102353242 A 20120215	CN20101571455 20101201	F26B9/06; F24J2/05; F24J2/20; F24J2/48; F26B23/10	INSTITUTE OF ELECTRICAL ENGINEERING, CHINESE ACADEMY OF SCIENCES	Spiral through type solar water heater
CN102353247 A 20120215	CN20101571954 20101203	F26B21/04; F24J2/00; F24J2/04; F24J2/46	Zhang Guiqiang	Novel balcony split pressure-bearing type solar water heater
CN102356284 A 20120215	CN20101573900 20101130	F24J2/32; F24J2/05	Sophia Antipolis EN DEV; COMMISSARIAT ENERGIE ATOMIQUE [FR]	Air source and solar energy all-in-one machine
CN102356473 A 20120215	CN20101574469 20101206	H01L31/042; F24J2/38; F24J2/40	Genie Lens Technologies LLC	Simple solar water heater
CN102358630 A 20120222	CN20101575255 20101201; CN20111255465 20110824	C02F11/14; B09B3/00; C02F11/00; F23G5/00; F23G7/00; F24J2/12; F24J2/14	Beijing Videostar Technology Co Ltd.	Solar water heater residual water pipe concurrent heating system based on solar energy and wind energy
CN102358631 A 20120222	CN20101577171 20101206	C02F11/14; B09B3/00; C02F11/00; F23G5/00; F23G7/00; F24J2/08	Beijing Videostar Technology Co Ltd.	Wind energy-based heat supplement system for residual water pipe of solar water heater
CN102359442 A 20120222	CN20101577174 20101206	F03G6/06; F03D7/04; F03D9/00; F24J2/12; F24J2/40	Ju Jien	Solar and air heat collector
CN102359737 A 20120222	CN20101579246 20101208	F24J2/46	Zhao Yanbin	Sterilization device of photovoltaic solar water heater
CN102360232 A 20120222	CN20101580286 20101206	G05D27/02; F24J2/40	Nanjing University of Posts and Telecommunications	Solar hot air module
CN102361833 A 20120222	CN20102217878U 20100607; CN20112057423U 20110307	C03C23/00; C03B11/08; C03B13/08; F24J2/50; H01L31/042	SAINT GOBAIN [FR]	Solar cold water inflow buffer device



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CN102362127 A 20120222	CN20102238520U 20100625	F24J2/04; E04D1/24; E04D1/26; F24D3/12; F24D3/16; F24D11/00; F24J2/20; F24J2/24; F28D1/03; F28F9/22	DANFOSS AS	Frame of solar panel thermal collector
CN102367993 A 20120307	CN20102268681U 20100721	F24H9/00; F24J2/46	Bohui Technology (Dalian) Co Ltd.	Solar water heater apparatus with mother-son cabins for liquid heat conduction and exchange, silt deposition prevention and scale prevention
CN102367994 A 20120307	CN20102273363U 20100728	F24J2/04; F24J2/46; F24J2/48	INSTITUTE OF ELECTRICAL ENGINEERING, CHINESE ACADEMY OF SCIENCES	Device for improving heat efficiency of solar water heating engineering system
CN102367995 A 20120307	CN20102290609U 20100812	F24J2/05; F24J2/24; F24J2/32; F24J2/46	Bohui Technology (Dalian) Co Ltd.	Water heater with constant current anticorrosion control device
CN102367996 A 20120307	CN20102513360U 20100830	F24J2/05; F24J2/32; F24J2/48	Bohui Technology (Dalian) Co Ltd.	Solar water heater with back-up heating function
CN102367997 A 20120307	CN20102513378U 20100830	F24J2/05; F24J2/16; F24J2/24; F24J2/46; F24J2/51	Bohui Technology (Dalian) Co Ltd.	Mirror tower of tower-type solar thermal power generation power plant
CN102367998 A 20120307	CN20102544996U 20100927	F24J2/05; F24J2/34; F24J2/46; F24J2/50	Wuxi C-Solar New Energy Technology Ltd.	Connecting structure for plastic water tank and metal pipe fitting of solar energy water heater
CN102367999 A 20120307	CN20102582268U 20101025	F24J2/24; F24J2/10; F24J2/46	Zhu Lei	Novel control device for solar water heater pipeline
CN102368000 A 20120307	CN20102600451U 20101031	F24J2/40; F24J2/46	Wu Lixing	Measurement and control device for solar water heater
CN102368001 A 20120307	CN20102603377U 20101111	F24J2/46	Bohui Technology (Dalian) Co Ltd.	Integral type solar water heater
CN102368002 A 20120307	CN20102615296U 20101119; CN20112192303U 20110609	F24J2/46	Bohui Technology (Dalian) Co Ltd.	Solar split-type water heater integrated with building

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CN102368003 A 20120307	CN20102617809U 20101122; CN20112340345U 20110913	F24J2/46	Ren Shouwang	Heat-collecting module of water-tank-free solar water heater
CN102368004 A 20120307	CN20102630735U 20101129	F24J2/46	Cai Dongsheng	Household-based heating control device of solar water heating system
CN102368005 A 20120307	CN20102631832U 20101130	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Device and method for controlling auxiliary heat source of solar hot water system to work
CN102368006 A 20120307	CN20102634559U 20101129	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar thermal collector
CN102369400 A 20120307	CN20102640513U 20101130	F24J2/10; F24J2/12; F24J2/38; F24J2/52; F24J2/54	Heliofocus Ltd.	Sloping roof installation structure of solar water heater
CN102373974 A 20120314	CN20102673279U 20101222	F01K11/02; F01D15/10; F22B1/00; F24J2/00	Tang Xiaochun	Novel header for split solar water heater bracket
CN102374126 A 20120314	CN20102680825U 20101225	F03D9/00; F24F7/08; F24J2/04	Sun Shanjun	Water flow control system for domestic water heater
CN102374141 A 20120314	CN20102692153U 20101231	F03G6/06; F24J2/10	ZHEJIANG SUPCON SOLAR ENERGY TECHNOLOGY CO LTD.	Solar energy stove
CN102374311 A 20120314	CN20111041727 20110222	F16K11/074; F16K31/04; F24J2/46	Jiangsu Xiaohong Solar Energy Technology Co Ltd.;Li Guangquan;Yuan Hongbin	Solar energy stove
CN102374362 A 20120314	CN20111041729 20110222	F16L59/065; F24J2/20	Ding Qi	Solar water heater
CN102374667 A 20120314	CN20111044226 20110224	F24J2/04; E04B2/88; F24J2/46; F24J2/50	Wang Dun	Solar battery assembly with a tubular heat exchanger
CN102374668 A 20120314	CN20111092987 20110414	F24J2/04; E06B5/11; F24J2/46	Rugao City Zhijie Zinc Products Treatment Co Ltd.	Air heat pump heating system for solar energy creating
CN102374669 A 20120314	CN20111096135 20110418	F24J2/05; F24J2/46	Fan Fucang	Solar heat power generation device

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CN102374670 A 20120314	CN20111100003 20110413; CN20111202746 20110712	F24J2/05; F24J2/24; F24J2/46	ZHEJIANG UNIVERSITY	Solar water boiler
CN102374671 A 20120314	CN20111110938 20110429	F24J2/05; F24J2/10; F24J2/24	TIANJIN UNIVERSITY	Desk type spotlight solar cooker
CN102374672 A 20120314	CN20111114902 20110505	F24J2/20; F24J2/46; F24J2/51; F24J2/54	Sun Xiangyu	Quick-mounting bracket of solar water heater
CN102374673 A 20120314	CN20111124996 20110505	F24J2/32; F24J2/30; F24J2/34	Fan Fucang	Silencer of comprehensive energy airshaft power station and comprehensive energy airshaft power station
CN102374674 A 20120314	CN20111137261 20110525	F24J2/32; F24J2/30; F24J2/34	Fan Fucang	Solar energy hot air stream power generation system
CN102374675 A 20120314	CN20111140273 20110518	F24J2/32; F24J2/30; H02N11/00	Shanghai Shixi High School	Automatic temperature-sensing water-saving device
CN102374676 A 20120314	CN20111140274 20110518	F24J2/32; F24J2/20; F24J2/46; F24J2/50	Ding Qi	Water heating system combined by air-source heat pump and solar energy
CN102374677 A 20120314	CN20111140275 20110518	F24J2/40	Liu Fangxu	Protection device for trough-type light-focusing vacuum tube seal mouth
CN102374679 A 20120314	CN20111140311 20110518	F24J2/46	Ding Qi	Solar flat plate collector plate core
CN102374680 A 20120314	CN20111140339 20110518	F24J2/46; H02N6/00	Liu Yang	Metal ceramic solar energy absorbing coating layer embedded with lanthanum and aluminum alloy nanometer clusters
CN102374681 A 20120314	CN20111143015 20110530	F24J2/46	Fan Fucang	Air conditioner outdoor unit and heating system thereof
CN102374682 A 20120314	CN20111146472 20110522	F24J2/46; F24J2/48	Dalian Linqiao Technology Co Ltd.	Solar energy heating device with biogas power generation auxiliary heating function
CN102374683 A 20120314	CN20111146474 20110522	F24J2/46; F24J2/32	Haining Yimange Solar Energy Technology Co Ltd.	Fresnel reflector point-focusing condenser system positioned on building
CN102374684 A 20120314	CN20111146485 20110522	F24J2/46; F15B21/02	DALIAN WEALLY HYDRAULIC MANUFACTURING CO	Solar and wind power shower

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			LTD.	
CN102374685 A 20120314	CN20111148490 20110518	F24J2/46; F24J2/51	Yunnan Normal University	Solar water heater with self-cleaning surface
CN102374686 A 20120314	CN20111155869 20110610	F24J2/48; F24J2/05; F24J2/24; F24J2/26; F24J2/30; F24J2/32; F24J2/52	Li Jiaxue	Subsidiary-master machine of instant-heating solar water heater
CN102374755 A 20120314	CN20111155871 20110610	F26B9/06; F24J2/05; F24J2/20; F24J2/50; F26B21/00; F26B25/16	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Solar hybrid heat source hot water production system
CN102374809 A 20120314	CN20111161561 20110616	F28D20/00; F24J2/46	Liu Yang	Heat accumulation water tank provided with enamel coil pipe
CN102374812 A 20120314	CN20111170311 20110623	F28D20/02; C09K5/06; F24J2/46	Tongji University	Enamel pipe coil hot water storage tank
CN102377364 A 20120314	CN20111177951 20110629	H02N6/00; F24J2/24; F24J2/46; F24J2/48; H01L31/048; H01L31/052	Wuxi C-Solar New Energy Technology Ltd.	Accumulated water emptying device for solar water heater pipeline
CN102381796 A 20120321	CN20111178292 20110629	C02F9/10; F24J2/20; F24J2/30	Jimei University	Heliostat point-focusing and light-condensation system positioned on mountains
CN102383539 A 20120321	CN20111178808 20110629	E04D13/18; F24J2/00	Xu Xiuping	Constant temperature solar water heater
CN102383546 A 20120321	CN20111179994 20110629	E04D13/18; F24J2/26	Shi Kanchao	Solar water heater integrated with window
CN102383547 A 20120321	CN20111183885 20110702	E04D13/18; F24J2/51	Shi Kanchao	Folding parabolic cylindrical trough-shaped solar water heater
CN102383549 A 20120321	CN20111194660 20110713	E04D13/18; F24J2/46	Xu Liming	Spiral straight through solar vacuum heat collector
CN102383627 A 20120321	CN20111195503 20110713	E04H4/00; E04H4/12; F24H7/02; F24J2/02; F24J2/04	Zhang Guofang	Double-heat-source central water heating device

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CN102384052 A 20120321	CN20111196337 20110714	F03G6/06; F24J2/14; F24J2/24; F24J2/38; F24J2/48	Chen Meng	Solar energy and air energy double-energy-saving central water heater
CN102384521 A 20120321	CN20111196593 20110705	F24D15/00; F24D19/00; F24J2/00	Shenyang Jianzhu University	Solar water heating system control cabinet with monobus multipoint temperature measuring function
CN102384591 A 20120321	CN20111198701 20110715	F24J2/00; G02B6/10	CHENGDU YISHENGXUAN TECHNOLOGY CO LTD	Novel full-automatic solar hot water system
CN102384592 A 20120321	CN20111204133 20110720	F24J2/00; F24J2/05; F24J2/46; F24J2/48; F24J2/51	JIANGSU TONGSHENG ENVIRONMENTAL PROT TECHNOLOGY CO LTD; LIDONG ZHAO; SONG CHEN	Solar water heater capable of automatically filling and discharging water
CN102384593 A 20120321	CN20111209286 20110726	F24J2/00; C02F1/32; F24J2/46	MIDEA HOLDING CO LTD	A novel solar water heater
CN102384594 A 20120321	CN20111212617 20110728	F24J2/04; F24J2/46; F24J2/48	Xu Peihe	Simple emptying device of solar water heater
CN102384595 A 20120321	CN20111213924 20110728	F24J2/05; F24J2/46; F24J2/48; F24J2/51	Shi Jianguo	Built-in sleeve type natural circulation solar water heater pressure-bearing water tank
CN102384596 A 20120321	CN20111216238 20110731	F24J2/10; F22B1/00; F24J2/24; F24J2/30; F24J2/40; F24J2/46	Ren Shouwang	Solar collector
CN102384597 A 20120321	CN20111218225 20110801	F24J2/40; G01F23/24; G01K7/22	ZHEJIANG BIHUALI ELECTRONIC TECHNOLOGY CO LTD.	Flat plate type solar collector
CN102384598 A 20120321	CN20111218832 20110802	F24J2/46	Su Xiang	Vacuum tube solar collector
CN102384599 A 20120321	CN20111219474 20110802	F24J2/46; F24J2/48	LI DEJIE	Solar water heating system
CN102384600 A 20120321	CN20111220597 20110803	F24J2/46	SHANDONG ECOO SOLAR CO LTD	Solar engineering system capable of preventing vacuum pipe from breakage and leakage
CN102384605 A 20120321	CN20111221067 20110803	F25B27/00; F24J2/46; F25B15/06	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	Automatic water-replenishing displacement type solar water heater

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CN102384775 A 20120321	CN20111223856 20110805	G01F23/22; F24J2/40; F24J2/46	A O SMITH CHINA WATER HEATER CO LTD	Optically focused type double heat pipe solar heat collector
CN102393072 A 20120328	CN20111223995 20110805	F24H9/00; F24D19/00; F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Vacuum tube solar thermal collector with temperature control function and protection function
CN102393073 A 20120328	CN20111224917 20110806	F24H9/00; F24D19/00; F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Water tank of solar water heater
CN102393074 A 20120328	CN20111224918 20110806	F24H9/00; F24D19/00; F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Solar collector
CN102393078 A 20120328	CN20111226551 20110809	F24H9/20; F24J2/40	Wujiang Chengda Electronic Technology Co Ltd.	Electric heater
CN102393079 A 20120328	CN20111227009 20110809	F24J2/00; F24J2/32; H02N11/00	Ou Yuguang	Automatic water feeding device for solar water heater
CN102393080 A 20120328	CN20111227531 20110809	F24J2/00; F24J2/46	Wang Bin	Warm collection storage device
CN102393081 A 20120328	CN20111228017 20110810	F24J2/00; F24J2/16; F24J2/24; F24J2/30; F24J2/46	Lv Hongxia	Solar water heater auxiliary device based on complementation of wind power and solar energy
CN102393082 A 20120328	CN20111229088 20110811	F24J2/06; F24J2/24; F24J2/40; F24J2/51	SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY	Evacuated heat tube solar collector tube comprising raised line mirror reflective layer on inner wall of cover glass tube
CN102393083 A 20120328	CN20111231315 20110812	F24J2/08; F03D9/00; F24J2/38; F24J2/40; F24J2/51	Dalian Maritime University	Quick-assembling barrel support
CN102393084 A 20120328	CN20111233099 20110815	F24J2/10; G02B5/10; G02B7/182; G02B19/00	SHANGHAI JINGDIAN NEW ENERGY CO LTD	Level heat pipe for solar water heater
CN102393085 A 20120328	CN20111233167 20110815	F24J2/12; F24J2/24; F24J2/34; F24J2/46; F24J2/54	RAYSPower NEW ENERGY CO LTD.	Indoor electric connection structure for solar water heater
CN102393086 A 20120328	CN20111233330 20110815	F24J2/20; F24J2/30; F24J2/46	Zhao Yanbin	Water tank foaming positioning end pin

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CN102393087 A 20120328	CN20111237883 20110923	F24J2/24; F24J2/46	Yang Zunfeng;Cao Jinling	Siphon solar energy water tank
CN102393088 A 20120328	CN20111237971 20110818	F24J2/34; F24J2/40	HIMIN SOLAR (SHANGHAI) CO LTD.	Photovoltaic-driven solar air collector
CN102393089 A 20120328	CN20111240574 20110819	F24J2/46; F16K11/08	Zhang Qiming	Vacuum tube balcony guardrail integral vertical type solar heat collector
CN102393090 A 20120328	CN20111241159 20110822	F24J2/46; B24C3/16; B30B15/02; C03B11/00; C03C15/00; F24J2/32	HAINING IEMYC SOLAR ENERGY TECHNOLOGY CO LTD.	Solar water heater with water tank corrosion prevention function
CN102393091 A 20120328	CN20111241213 20110822	F24J2/46	SHENYANG WANLIYUAN ENERGY SAVING ENGINEERING CO LTD.	Sterilization water tank of solar water heater
CN102393092 A 20120328	CN20111241387 20110822	F24J2/46; F24J2/48	TAIZHOU APORL SOLAR TECHNOLOGY CO LTD.	Round pipe type quick-mounting barrel support
CN102393093 A 20120328	CN20111242044 20110823	F24J2/46	ZHANG JIANCHENG	Anti-freezing device for solar water heater pipeline
CN102393094 A 20120328	CN20111243296 20110824	F24J2/46	ZHANG JIANCHENG	Evacuated solar collector tube and evacuated collector
CN102393097 A 20120328	CN20111245402 20110825	F25B27/00; F24J2/00; F24J2/05; F24J2/24; F25B19/02	SinoTech New Energy Science and Technology (Dalian) Co Ltd.	Trough heat collection device with secondary condensation devices
CN102393136 A 20120328	CN20111245644 20110825	F26B23/00; F24J2/00; F26B15/14	Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences	Solar water heater emptier
CN102395837 A 20120328	CN20111246686 20110825	F24J2/46; A47L1/02; B08B1/02; F24J2/10	ESOLAR INC [US]	Heat storage type solar greenhouse
CN102396080 A 20120328	CN20111247631 20110826	H01L31/052; F24J2/52; H01L31/058	Van Niekerk Daniel Gabriel;Davis John Bevan	Heat collecting and water saving device for solar water heater
CN102400523 A 20120404	CN20111251822 20110830	E04D13/18; E04D13/03; F24J2/05; H01L31/048	HIMIN HOLDINGS CO LTD	Solar roof system

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CN102400868 A 20120404	CN20111255144 20110831	F03G6/06; F24J2/06	SOLAR & ENVIRONMENTAL TECHNOLOGIES TIANJIN CO LTD	Single-tower multi-disc type solar power generating system
CN102400869 A 20120404	CN20111255645 20110901	F03G6/06; F01D15/08; F01K19/00; F03B13/06; F22B1/00; F24J2/06; F24J2/38	KAI ZHU	Solar generating system
CN102400872 A 20120404	CN20111255978 20110831	F03G6/06; F03D9/00; F22B1/06; F24J2/34; F28D20/02	JIANCHENG ZHANG	Heat generation device with complementary energy storage of solar energy and wind energy
CN102401150 A 20120404	CN20111256467 20110901	F16K11/00; F16K37/00; F24J2/46	ZHONGJUN CAO	Water mixing valve with temperature displaying function for solar water heater
CN102401474 A 20120404	CN20111257070 20110902	F24J2/00; H02N6/00	YANGZHOU TIANCIYUAN SOLAR WATER HEATER CO LTD	Digitalized solar water heater
CN102401475 A 20120404	CN20111258191 20110902	F24J2/00; F24J2/30; F24J2/40	JIANGSU SANGLI SOLAR ENERGY INDUSTRY CO LTD	Balcony wall-mounted solar water heater system device
CN102401476 A 20120404	CN20111259807 20110905	F24J2/00; F24J2/40	YANGZHOU TIANCIYUAN SOLAR WATER HEATER CO LTD	Solar water heater
CN102401477 A 20120404	CN20111260182 20110905	F24J2/00	YUBIN SU	Combined-type circulating solar water heater
CN102401478 A 20120404	CN20111260566 20110905	F24J2/00; F03D9/00; F24J2/40; F24J2/46; H02N6/00	UNIV KUNMING SCIENCE & TECH	Solar energy and wind energy-based solar water heater surplus water pipe heat compensation system
CN102401479 A 20120404	CN20111260608 20110906	F24J2/04; F24J2/00; F24J2/46	CHAOLIN HUANG	Solar water heater
CN102401480 A 20120404	CN20111260791 20110828	F24J2/04; E06B3/06; E06B3/66; E06B3/677; F24J2/46	YANQIU WANG	Window-type solar water heater



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CN102401481 A 20120404	CN20111263192 20110823	F24J2/05; F24J2/10; F24J2/32; F24J2/38; F24J2/46; H02N6/00	BEIJING JINJI AOMENG CO LTD	Solar water heater with power generation function
CN102401482 A 20120404	CN20111263194 20110823	F24J2/05; F24J2/34; F24J2/48	YANQIU WANG	Water-bag-type solar water heater
CN102401483 A 20120404	CN20111263633 20110907	F24J2/05; E06B3/67; E06B7/28; F24J2/32; F24J2/46	XUEDONG MAO	Window frame-type solar heat utilization device with clipped multilayer hollow glass and heat pipe
CN102401484 A 20120404	CN20111264313 20110908	F24J2/10; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Wall hanging type solar water heater
CN102401485 A 20120404	CN20111264905 20110908	F24J2/12; F24J2/24; F24J2/26; F24J2/46; F24J2/48	YONGNIAN HUANG	Metal spiral pipe solar heat collector
CN102401486 A 20120404	CN20111264917 20110908	F24J2/32; F24J2/46	SHANGHAI BOYON NEW ENERGY TECHNOLOGY CO LTD	Vacuum pipe-heat pipe type flat-plate heat collector
CN102401487 A 20120404	CN20111264919 20110908	F24J2/32; F24J2/46	WEIGUO YAO	Superconducting heat pipe flat plate solar heat collector
CN102401488 A 20120404	CN20111264920 20110908	F24J2/34; F24J2/30; F24J2/46	QIMING ZHANG	Vacuum thermal-insulating heat storage device
CN102401489 A 20120404	CN20111264926 20110908	F24J2/46	YANGZHOU TIANCIYUAN SOLAR WATER HEATER CO LTD	Water storage tank fixing device of solar water heater
CN102401490 A 20120404	CN20111264929 20110908	F24J2/46; F24J2/48	WEIGUO YAO	Superconducting heat-absorbing piece
CN102401491 A 20120404	CN20111264931 20110908	F24J2/46	QINGDAO FULLGREEN SOLAR TECH CO LTD	Solar water heater exhaust pipe and solar water heater with exhaust pipe
CN102401492 A 20120404	CN20111267173 20110909	F24J2/46; F24J2/48	HENAN SUNDAR ENERGY ENVIRONMENTAL PROT CO LTD	Solar coated heat-absorbing plate
CN102401493 A 20120404	CN20111267183 20110909	F24J2/46	SINOYIN SOLARES CO LTD	Light, thin and high-strength flat plate collector outer frame

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CN102401494 A 20120404	CN20111268258 20110909	F24J2/46	SINOYIN SOLARES CO LTD	Flat plate solar heat collector
CN102401495 A 20120404	CN20111268758 20110913	F24J2/46; B08B1/00	JIANGSU CHINESE BUSINESS MAN CONSULTING SERVICE CO LTD	Self-cleaning solar water heater
CN102401496 A 20120404	CN20111268866 20110913	F24J2/46	ZHEJIANG MEIDA SOLAR ENERGY INDUSTRY CO LTD	Vacuum collector tube
CN102401497 A 20120404	CN20111270072 20110906	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar heat insulating water tank
CN102401498 A 20120404	CN20111270178 20110913	F24J2/46	ZHUOLIN FENG	Improved solar heat exchange water storage tank
CN102401499 A 20120404	CN20111271140 20110914	F24J2/46	GUIZHOU GREEN CARD ENERGY TECHNOLOGY CO LTD	Clean type water tank for solar water heater
CN102401500 A 20120404	CN20111271744 20110914	F24J2/48	YONGNIAN HUANG	All-glass heat tube solar vacuum tube
CN102401501 A 20120404	CN20111272138 20110915	F24J2/48	YONGNIAN HUANG	Light condensation all-glass vacuum heat collection tube
CN102401595 A 20120404	CN20111273260 20110915	F28D20/00; F24J2/00; F24J2/52	CHENGDU YISHENGXUAN TECHNOLOGY CO LTD	Storing method for light energy to be transformed into heat energy
CN102405531 A 20120404	CN20111273293 20110909	H01L31/042; F24J2/10	TENKSOLAR INC [US]	Highly efficient renewable energy system
CN102410162 A 20120411	CN20111273306 20110909	F03G6/06; F02G1/043; F03B13/06; F24J2/06	KAI ZHU	Solar power generation system for pumping and storing energy through Stirling engine
CN102410163 A 20120411	CN20111274508 20110916	F03G6/06; F24J2/06; F24J2/24; H02J7/00	ANYANG ELECTRIC POWER GROUP CO LTD OF HENAN ELECTRIC POWER COMPANY	Focusing solar hot water and electrical storage device
CN102410578 A 20120411	CN20111276856 20110919	F24D15/02; F24J2/04	SUMING LI	Heater using light energy and geothermal energy for heating

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CN102410637 A 20120411	CN20111277916 20110919	F24J2/00; F24J2/46; H02N11/00	NANTONG TEXTILE VOCATIONAL TECHNOLOGY COLLEGE	Self-power generating efficient water heater
CN102410638 A 20120411	CN20111278035 20110919	F24J2/00; F24J2/05; F24J2/20; F24J2/28; F24J2/46; F24J2/48; F24J2/50	JIANGSU TONGSHENG ENVIRONMENTAL PROT TECHNOLOGY CO LTD; LIDONG ZHAO; SONG CHEN	Solar air heat collector device for new type penetration wavy structure
CN102410639 A 20120411	CN20111279553 20110920	F24J2/04; F24J2/46; F24J2/51	FAN BAI	Hidden water tank type overall wall-mounted solar water heater
CN102410640 A 20120411	CN20111283645 20110922	F24J2/05; F24J2/40; F24J2/46	NANJING SUNBOUNTY TECHNOLOGY DEV CO LTD	Photovoltaic drive inner circulation efficient solar water heater
CN102410641 A 20120411	CN20111283770 20110922	F24J2/05; F24J2/46	CHANGCHUN ZHOU	Integral solar water heater for window and installation method thereof
CN102410642 A 20120411	CN20111284241 20110923	F24J2/05; F24J2/50	CHANGZHOU DR NEW ENERGY TECHNOLOGY CO LTD	Case cover glass of solar thermal collector
CN102410643 A 20120411	CN20111285911 20110923	F24J2/05; F24J2/20; F24J2/46	SHENZHEN COMMONPRAISE SOLAR CO LTD	Balcony-railing type solar heat collector
CN102410644 A 20120411	CN20111287684 20110926	F24J2/24; C12M1/02; C12M1/107	WIXI TONGCHUN NEW ENERGY TECHNOLOGY CO LTD	Efficiency gaining device for solar water heater to convey warm water to pipeline of biogas digester wall
CN102410645 A 20120411	CN20111288661 20110926	F24J2/24; F24J2/30	HONGXIA LV	Solar water heating system and heating method thereof
CN102410646 A 20120411	CN20111289564 20110928	F24J2/30; F24J2/34; F24J2/40; H02N6/00	SHANDONG BOTAI ENERGY & TECHNOLOGY CO LTD	Waste heat utilization device for solar photovoltaic power generation
CN102410647 A 20120411	CN20111289565 20110928	F24J2/40	NANJING SUNBOUNTY TECHNOLOGY DEV CO LTD	Intelligent solar water heater capable of judging weather
CN102410648 A 20120411	CN20111289965 20110922	F24J2/40	MIDEA HOLDING CO LTD	Temperature testing method for solar water heater

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CN102410649 A 20120411	CN20111291355 20110930	F24J2/46	QI DING	Anti-expansion and contraction component of flat-plate solar collector
CN102410650 A 20120411	CN20111292082 20111001	F24J2/46	WEIGUO YAO	Heat absorber plate core device of flat-plate solar collector
CN102410651 A 20120411	CN20111293491 20110929	F24J2/46	UNIV HOHAI	Groove type solar heat collection tube using metal foams to strengthen heat conduction
CN102410652 A 20120411	CN20111296641 20110930	F24J2/46	GUIZHOU GREEN CARD ENERGY TECHNOLOGY CO LTD	Automatic-defrosting type solar water heater used in region with low sunlight intensity
CN102410653 A 20120411	CN20111297051 20110928	F24J2/52	SUZHOU SUNSHINE SOLAR ENERGY CO LTD	Solar water heater with liner support effect
CN102410668 A 20120411	CN20111297482 20110929	F25B29/00; F24J2/00; F25B27/00; F25B41/04	ZHIHUA DING	Phase-change energy storage type solar composite energy source cold water, warm water and hot water combined supply system
CN102412333 A 20120411	CN20111298281 20111008	H01L31/052; F24J2/00; H01L31/058	JIE SHEN	Photovoltaic power generation and solar water heater combination application device
CN102414520 A 20120411	CN20111298738 20110928	F24J2/38; G02B5/08; G05D3/00	CHENGWEI WANG; ZHIMING WANG	HELIOSTAT DEVICE
CN102415606 A 20120418	CN20111299035 20110928	A24B1/02; A24B3/10; F24J2/00	MICOE LUOYANG SOLAR ENERGY CO LTD	Heat supply system for curing tobacco at three sections with solar energy
CN102418665 A 20120418	CN20111299306 20110921	F03D9/00; F03D11/00; F24J2/05; F24J2/48	WEIPING XIA	Artificial airflow power generating method and artificial airflow power generating system
CN102418804 A 20120418	CN20111299369 20110921	F16K31/04; F24J2/46	SHANGHAI HAIXING VALVE FACTORY	Regulating valve for welding-type valve-body direct-current solar-energy water heater
CN102419010 A 20120418	CN20111305819 20111011	F24J2/00; H01L31/058	HARBIN INST OF TECHNOLOGY	Photoelectric cold-hot integrated solar utilizing device
CN102419011 A 20120418	CN20111305824 20110928	F24J2/05; F24J2/40; F24J2/46	UNIV SOUTHEAST; LOTUSLAND RENEWABLE ENERGY TECHNOOOGY SHANGHAI CO LTD	Vacuum pipe solar heat collector having temperature control and protection function

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
CN102419012 A 20120418	CN20111305836 20111011	F24J2/05; F24J2/20; F24J2/46	UNIV BEIJING; BEIJING GREEN SHANGDA TECHNOLOGY CO LTD	Flat-plate solar air collector
CN102419013 A 20120418	CN20111305840 20111011	F24J2/10; F24J2/38; F24J2/46; G02B7/182	INST ELECTRICAL ENG CAS	Linkage small-sized heliostat system
CN102419014 A 20120418	CN20111305857 20111011	F24J2/38	HONGXIA LV	Automatic adjustment device and automatic adjustment method for angle of reflector
CN102419015 A 20120418	CN20111305865 20110928	F24J2/40; F24J2/51	LOTUSLAND RENEWABLE ENERGY TECHNOOOGY SHANGHAI CO LTD; UNIV SOUTHEAST	Temperature control and heat insulation protecting device for solar heat collector
CN102419016 A 20120418	CN20111306712 20111010	F24J2/40	NANJING SCİYON AUTOMATION GROUP CO LTD	Heliostat target point adjusting method
CN102419017 A 20120418	CN20111308379 20111008	F24J2/46; C09K5/04	WENYUAN SHAO	Breathing apparatus
CN102419018 A 20120418	CN20111308670 20111013	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar anti-freezing pipeline
CN102419019 A 20120418	CN20111310264 20110928	F24J2/46	YANG SONG	Water separating device for integrated pressure- bearing solar water heater
CN102425816 A 20120425	CN20111310271 20110928	F24D15/00; F24J2/00; F24J2/04	YANQI JIAO	Solar floor heater
CN102425827 A 20120425	CN20111318156 20111019	F24F5/00; F24J2/00	UNIV SHANGHAI ELECTRIC POWER	Solar cogeneration cold-accumulation-type central air conditioning system for villa
CN102425857 A 20120425	CN20111318283 20111019	F24J2/00; F24J2/46	HONGXIA LV	Solar system
CN102425858 A 20120425	CN20111318417 20111019	F24J2/00; F24J2/05; F24J2/24; F24J2/40; F24J2/46	KEXIANG WANG	Diversion type optical energy carbon-free heat supply device
CN102425859 A 20120425	CN20111319192 20111019	F24J2/02; F24J2/52	TINGJIA CAI	Solar cooker

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CN102425860 A 20120425	CN20111319771 20111013	F24J2/22; F24J2/46	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Large-capacity solar water heater
CN102425861 A 20120425	CN20111319775 20111013	F24J2/24; F24J2/48	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Rectangular tube type solar drier and heat collector
CN102425862 A 20120425	CN20111320045 20111020	F24J2/30; F24J2/46	HARBIN INST OF TECHNOLOGY	Conical heat absorber with inward-convex bottom surface, regular and flat top and an optical window containing selective penetrating coating layer
CN102425863 A 20120425	CN20111321527 20111021	F24J2/40	UNIV HOHAI	Method for controlling steam temperature of outlet of DSG (Direct Steam Generation) trough type solar thermal collector
CN102425864 A 20120425	CN20111324490 20111024	F24J2/40; C02F1/50	WENRU LIU	Measuring and controlling device for silver ion sterilizing solar water heater
CN102425865 A 20120425	CN20111324569 20111024	F24J2/40	SHENZHEN EMATRIX TECHNOLOGY DEV CO LTD	Solar heat collecting device
CN102425866 A 20120425	CN20111324754 20111021	F24J2/40; F24H9/20	CUI QIN	Novel solar and electric water heater control device
CN102425867 A 20120425	CN20111327137 20111025	F24J2/46	INST ELECTRICAL ENG CAS	Tank type solar vacuum heat collecting tube with one-sided inner fin
CN102425868 A 20120425	CN20111327224 20111025	F24J2/46; F24J2/05; F24J2/24	ANHUI JINGRUN NEW ENERGY CO LTD	Solar heat-absorbing body and flat plate type solar heat collector
CN102425869 A 20120425	CN20111327465 20111025	F24J2/46; F24J2/40	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Water-saving type solar water heater
CN102425886 A 20120425	CN20111329158 20111026	F25B29/00; F24F5/00; F24J2/24	LIN YONG	Solar heat-pump air conditioner
CN102425887 A 20120425	CN20111331017 20111027	F25B29/00; F24F5/00; F24J2/24	LIN YONG	Solar thermal storage air conditioner
CN102425919 A 20120425	CN20111333773 20111028	F26B3/092; F24J2/05; F26B21/00	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Solar fluidized bed type drier

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CN102425921 A 20120425	CN20111333781 20111028	F26B9/06; A23B9/08; F24J2/46; F26B21/00	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Solar ventilation type drier
CN102425926 A 20120425	CN20111333791 20111028	F26B15/18; F24J2/00; F24J2/04; F26B23/08; F26B25/00	JIANGSU MASTER COMP SYSTEM INTEGRATION CO LTD	Solar tunnel type drying device
CN102433104 A 20120502	CN20111335824 20111028	C09K5/12; F24J2/34; F28D20/00	Shanghai Jiao Tong University	Novel heat tube type solar vacuum heat collecting tube
CN102433967 A 20120502	CN20111335920 20111031	E04D13/18; E04C3/06; F24J2/46; F24J2/48; F24J2/50	Yang Zhengguo	Solar water-leakage preventing safety lock of vacuum pipe
CN102434685 A 20120502	CN20111335927 20111031	F16K11/04; F16K27/02; F24J2/46	Guo Qiang	Cold water and hot water premixing device for solar water heater
CN102434965 A 20120502	CN20111336441 20111031	F24H9/00; F24D19/00; F24J2/46	Himin Solar Energy (Shanghai) Inc.	Vacuum tube carrier
CN102434966 A 20120502	CN20111338068 20111101	F24H9/00; F24D19/00; F24J2/46	Himin Solar Energy (Shanghai) Inc.	Suspended vacuum pipe fixing component
CN102434972 A 20120502	CN20111338906 20111020	F24J2/00; F24H1/10; F24H9/18; F24H9/20; F24J2/46	Wu Zhongmin; Zhang Aizhang	Horizontal type jacket water tank with guide plate
CN102434973 A 20120502	CN20111340347 20111031	F24J2/00; F03D9/00; F24J2/05; F24J2/32; F24J2/46	Li Zhiyu	Vacuum pipe solar thermal collector with thermal storage function
CN102434974 A 20120502	CN20111342108 20111024	F24J2/00; F24J2/24; F24J2/30; F24J2/51	Lin Yong	Inner container of water tank and water tank of solar water heater
CN102434975 A 20120502	CN20111342173 20111028	F24J2/02; F24J2/46	Suzhou Jiayan Energy Equipment Co Ltd.	Vacuum heat collection tube with shade glass tube with shading function
CN102434976 A 20120502	CN20111342183 20111028	F24J2/05; F24J2/46; F24J2/48; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Vacuum solar water heater
CN102434977 A 20120502	CN20111342677 20111101	F24J2/10; F24J2/24; F24J2/46	Suzhou Jiayan Energy Equipment Co Ltd.	Pressure-bearing explosion-proof tube solar heat collection pipe
CN102434978 A 20120502	CN20111343277 20111103	F24J2/10	ZHEJIANG SUPCON SOLAR ENERGY	Solar energy collection device with fixed condenser

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			TECHNOLOGY CO LTD.	
CN102434979 A 20120502	CN20111343834 20111104	F24J2/24; F24J2/40; F24J2/46	Yin Meigui	Pressurized and non-pressurized dual-purpose heat pipe type solar water heater water tank
CN102434980 A 20120502	CN20111346502 20111107	F24J2/24; F24J2/46; F24J2/52	Suzhou Jiayan Energy Equipment Co Ltd.	Sterilization water tank for water heater
CN102434981 A 20120502	CN20111346958 20111107	F24J2/32	Shanghai Maritime University	Trench-type solar thermal power generation collector pipe
CN102434982 A 20120502	CN20111347867 20111107	F24J2/40	HIMIN SOLAR (SHANGHAI) CO LTD.;SHANDONG ECOO SOLAR CO LTD	Tubular quick-mounting barrel support
CN102434983 A 20120502	CN20111353125 20111109	F24J2/40	HIMIN SOLAR (SHANGHAI) CO LTD.;SHANDONG ECOO SOLAR CO LTD	Solar flat plate collector
CN102434984 A 20120502	CN20111355531 20111111	F24J2/46	JIANGSU LIYUAN SOLAR CO LTD.	Solar thermal-collecting tube
CN102434985 A 20120502	CN20111356442 20111111	F24J2/46; B05B7/04	JIANGSU LIYUAN SOLAR CO LTD.	Solar water heating tank
CN102434986 A 20120502	CN20111357586 20111111	F24J2/46; B21J15/14; B21J15/30	Beijing Tsinghua Solar Energy Development Co Ltd.;Beijing Tsinghua Solar Systems Co Ltd.	Tail support device for fixing vacuum heat-collecting tubes of solar heat collector
CN102434987 A 20120502	CN20111358438 20111114	F24J2/46; F16K31/00	Li Guangquan	Pressure-bearing type anti-freezing solar heat collecting pipe
CN102434988 A 20120502	CN20111358697 20111114	F24J2/46	Li Zhiyu;Li Genghong;Li Qiang	Energy-saving solar hot water system
CN102434989 A 20120502	CN20111359589 20111114	F24J2/46	Liu Zhenzhong	Novel flat-plate air solar heat collector
CN102434990 A 20120502	CN20111359824 20111114	F24J2/48; C23C14/08; C23C14/16; C23C14/35	LI DEJIE	Trough solar energy thermal collecting device
CN102439377 A 20120502	CN20111360630 20111115	F24J2/24; F24J2/04; F24J2/38; F24J2/46	Innovation Masters LLC	Medium injection and system pressure detection equipment for split-type solar water heater



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CN102444559 A 20120509	CN20111361162 20111115	F03G6/06; F01D5/02; F22B1/00; F24J2/08; F24J2/38	You Yuxiang	Multifunctional wastewater and refuse treatment equipment
CN102444993 A 20120509	CN20111361165 20111115	F24J1/00; F02M25/12; F24J2/00	INSTITUTE OF ENGINEERING THERMOPHYSICS, CHINESE ACADEMY OF SCIENCES	Structure of solar reflective light-gathering board
CN102444994 A 20120509	CN20111361371 20111115	F24J2/00; F24J2/04; F24J2/50	Chen Junshun	Water tank of solar water heater
CN102444995 A 20120509	CN20111361373 20111115	F24J2/00; F24J2/40	ZHEJIANG BIHUALI ELECTRONIC TECHNOLOGY CO LTD.	Connectionless intelligent control booster water heater
CN102444996 A 20120509	CN20111363728 20111116	F24J2/00; F24J2/40	ZHAO YISHAN	Solar collector, and power-generating plant including such solar collectors
CN102444997 A 20120509	CN20111365664 20111117	F24J2/00; F24J2/12; F24J2/34; F24J2/40; F24J2/46; F24J2/48; F24J2/51	Huazhong Normal University	Photovoltaic (pv) enhancement films for enhancing optical path lengths and methods of manufacturing pv enhancement films
CN102444998 A 20120509	CN20111365863 20111118	F24J2/04; F24J2/50	Cao Yonghong	Solar flat plate collector board core and manufacturing method thereof
CN102444999 A 20120509	CN20111366107 20111118	F24J2/05; F24J2/24; F24J2/30; F24J2/40; F24J2/48	Zhuo Weimin	Shading and condensing device for vacuum tube
CN102445000 A 20120509	CN20111369549 20111119	F24J2/05; F24J2/24; F24J2/34; F24J2/50	Tianjin Jishi Technology Service Co Ltd.;Shenyang Caizhi Life Energy-Saving Technology Design Institute;Tianjin Binhai Institute of Management Science;Shanghai God Pet Energy-Saving Engineering Design Firm	Multifunctional purifying equipment

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CN102445001 A 20120509	CN20111369929 20111118	F24J2/10; F24J2/05; F24J2/24	Jiang Jianquan	Volume heat exchange heat absorber for solar heat generation system
CN102445002 A 20120509	CN20111370415 20111121	F24J2/10; F24J2/24; H02N6/00	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Cylindrical-cavity type solar heat absorber with internally-convex bottom surface
CN102445003 A 20120509	CN20111371995 20111122	F24J2/10; F24J2/24	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Antifreezing solar thermal collector
CN102445004 A 20120509	CN20111372204 20111122	F24J2/10; F24J2/24	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Automatic control device of water feeding for solar water heater
CN102445005 A 20120509	CN20111372236 20111122	F24J2/12; F24J2/46	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Constant temperature control method and device for water heater
CN102445006 A 20120509	CN20111375353 20111123	F24J2/12; F24J2/46	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Solar water heating system with float valve
CN102445007 A 20120509	CN20111375366 20111123	F24J2/16; E04D13/18; F24J2/51	Shanghai University of Electric Power	Panel-type solar drying machine based on heat conduction
CN102445008 A 20120509	CN20111375892 20111123	F24J2/20; F24J2/46; F24J2/48	Nanjing University of Technology	Tunnel-type solar drying device
CN102445009 A 20120509	CN20111375916 20111123	F24J2/30; F24J2/46	Haining Babysun Solar Industry Co Ltd.	Air energy heat pump water heater
CN102445010 A 20120509	CN20111376148 20111123	F24J2/40	E-Cube Energy Technology (Shanghai) Co Ltd.	Solar air heat collection device with fluctuant strip fins
CN102445011 A 20120509	CN20111376221 20111123	F24J2/40	Zhang Changyin	Indoor application system for conducting solar energy through optical fiber
CN102445012 A 20120509	CN20111376951 20111123	F24J2/46	Wang Lianyong	Casing device for heating solar drinking water
CN102445013 A 20120509	CN20111376970 20111123	F24J2/46	Wang Weigang	Fuse salt jet impinging heat dump
CN102445014 A 20120509	CN20111377900 20060227	F24J2/46	Li Jianqiang	Integral type solar water heater

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CN102450204 A 20120516	CN20111378567 20111124	A01G9/24; F24J2/14	Tianjin City Taiyangshen Technology Co Ltd.	Automatic temperature-sensing water saving device
CN102450949 A 20120516	CN20111378568 20111124	A47J31/00; A47J31/46; A47J31/56; F24J2/00	Shen Jieming	Water flow control system and method of household water heater
CN102451571 A 20120516	CN20111378571 20111124	B01D1/22; B01D1/30; F24J2/00	TECHNICAL INSTITUTE OF PHYSICS AND CHEMISTRY, CAS	Solar sloping roof utilizing multiple wells as heat- releasing sources
CN102453672 A 20120516	CN20111378573 20111124	C12M1/107; F24J2/00	ZHAO BIN	Heat tube type vacuum heat-collecting tube
CN102453922 A 20120516	CN20111378575 20111124	C25B1/04; F03G6/06; F24J2/12; F24J2/24	YIN HUAWEN	Solar hot spring house
CN102454440 A 20120516	CN20111378578 20111124	F01K11/02; F01K19/00; F22B1/00; F24J2/04	INSTITUTE OF ENGINEERING THERMOPHYSICS, CHINESE ACADEMY OF SCIENCES	Heat-concentrating glass panel
CN102454563 A 20120516	CN20111379382 20111124	F03G6/06; F01D15/10; F01K11/02; F22B1/00; F24J2/04	INSTITUTE OF ENGINEERING THERMOPHYSICS, CHINESE ACADEMY OF SCIENCES	Solar energy collecting equipment and application thereof
CN102455063 A 20120516	CN20111381070 20111125	F24J2/04; F24J2/06; F24J2/46; F24J2/52	SHIGENO TECHNOLOGY CO LTD.	Flow distributor
CN102455064 A 20120516	CN20111381072 20111125	F24J2/04; F24J2/40	E-CUBE ENERGY TECHNOLOGY (SHANGHAI) CO LTD.	Hydraulic oil cylinder circuit device of solar light- gathering board
CN102455065 A 20120516	CN20111381103 20111126	F24J2/10; F24J2/24	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Thermal insulation water tank of solar water heater
CN102455066 A 20120516	CN20111381550 20111127	F24J2/10; F24J2/24; H02N6/00	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Heat storage device
CN102455067 A 20120516	CN20111382711 20111128	F24J2/10; F24J2/24; H02N6/00	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Solar high-temperature phase change thermal storage device

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CN102455068 A 20120516	CN20111383186 20111128	F24J2/10; F24J2/24; H02N6/00	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Water-temperature and water-level detection method of two-core and four-core sensors
CN102455069 A 20120516	CN20111383942 20111128	F24J2/14; F24J2/24	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Solar energy multilayer fresh flower dryer
CN102455070 A 20120516	CN20111385484 20111129	F24J2/24; F24J2/05; F24J2/48	SHEN XIAOLI	Vacuum heat collecting element comprising covering glass tube and having shading function
CN102455071 A 20120516	CN20111389273 20111130	F24J2/30; F24J2/32; F24J2/46	YANG YAN	Pressure-bearing operating non-pressure- bearing water tank
CN102455072 A 20120516	CN20111389642 20111130	F24J2/32; F24J2/30; F24J2/46	YANG YAN	Solar photovoltaic photothermal integrated device for seawater desalination
CN102455073 A 20120516	CN20111392018 20111201	F24J2/40	HU ZHONGLIANG	Solar heat collecting pipe
CN102455074 A 20120516	CN20111394812 20111202	F24J2/46	FAN JIANWEN	High-density arranged heat collector and special reducing glass vacuum heat collecting pipe thereof
CN102455075 A 20120516	CN20111395679 20111204	F24J2/46	YANG YAN	Solar sloping roof with light-focusing and heat- collecting devices
CN102455076 A 20120516	CN20111395680 20111204	F24J2/48	YANG YAN	Method for automatically controlling solar water heater at constant temperature by using singlechip
CN102455077 A 20120516	CN20111395687 20111204	F24J2/48	YANG YAN	Solar energy sloping roof with inorganic heat insulation layer on heat collecting device
CN102455078 A 20120516	CN20111395882 20111205	F24J2/48	LU ZHIBAO	Phase change energy storage heated brick bed with auxiliary heating function of capillary net
CN102455208 A 20120516	CN20111396317 20111202	G01F23/72; F24J2/46	CHEN QIUFENG	Solar sloping roof system with radiating device
CN102459514 A 20120516	CN20111396691 20111203	C10B47/00; B01J19/12; C10B49/02; C10B49/14; C10B51/00; C10B53/06; C10G1/02; C10G1/04; F24J2/00	ENI SPA [IT]	Solar energy power generating device

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CN102462057 A 20120523	CN20111398560 20111206	A43B7/02; F24J2/00	WUJIANG DONGTA SHOES CO LTD.	Full-plastic pressure-bearing dual-circulation helical tube ball type split solar water heater
CN102465284 A 20120523	CN20111399003 20111206	C23C18/12; F24J2/48	BEIJING JIASHENG CENTURY TECHNOLOGY CO LTD.	Full-plastic pressure-bearing dual-bucket ball tube type split solar water heater
CN102465817 A 20120523	CN20111402696 20111207	F03B13/00; E04H5/02; F03D9/00; F03G6/06; F24J2/08; F24J2/10; F24J2/34	PENG YIRONG	Solar and biomass combined power generation system
CN102465842 A 20120523	CN20111402776 20111207	F03D9/02; F03D3/00; F03D3/06; F03D11/00; F24J2/06; H02K7/18	YUAN HONG	Full-plastic pressure-bearing ring tube type dual-circulation liner
CN102466244 A 20120523	CN20111402894 20111207	F24B1/183; F24B1/185; F24B1/195; F24J2/00	WANG PU	Automatic detection vacuumizing hollow sandwich plate and vacuum flat plate collector
CN102466329 A 20120523	CN20111402899 20111207	F24J2/00; F24J2/05; F24J2/10; F24J2/24; F24J2/38; F24J2/46; F24J2/54; G02B7/198; H02N6/00	HUANG WEIDONG	Flat plate film coating heat pipe heat collector
CN102466330 A 20120523	CN20111402929 20111207	F24J2/00; F24J2/46	YANGZHOU TIANCIYUAN SOLAR WATER HEATER CO LTD	Full-plastic pressure-bearing dual cycle vacuum tube type solar water heater
CN102466331 A 20120523	CN20111402954 20111207	F24J2/00; F03D9/00	ZHOU TONG	Full-plastic pressure-bearing dual-circulation one-bucket liner
CN102466332 A 20120523	CN20111402971 20111207	F24J2/05; F24J2/46; F24J2/50	YANGZHOU SUNLEADA SOLAR CO LTD	Solar heating pot driven by heat pipe type heat collector, and heating device
CN102466333 A 20120523	CN20111402977 20111207	F24J2/32; F24J2/46; F28D15/02	YANGZHOU SUNLEADA SOLAR CO LTD	Pressureless anti-freezing and water-saving solar energy water heater for automatically outputting hot water first
CN102466334 A 20120523	CN20111403004 20111207	F24J2/38	ZHAO DEFU	Window mounted type solar water heater
CN102466335 A 20120523	CN20111403082 20111207	F24J2/46; F24J2/50	WANG PU	Heat-pipe vacuum pipe collector

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CN102466336 A 20120523	CN20111403238 20111207	F24J2/46	WANG PU	Heliostat mirror field for tower-type solar thermal power generation system
CN102466337 A 20120523	CN20111403460 20111207	F24J2/46; F24J2/40	XI'AN ZHONGZHI ZEHUI PHOTOELECTRIC TECHNOLOGY CO LTD.	Solar energy heat collection device and curtain wall equipped with same
CN102466338 A 20120523	CN20111403563 20111208	F24J2/46	ZHAO DEFU	Solar vacuum tube heat collector provided with light-condensing pieces
CN102466339 A 20120523	CN20111404661 20111207	F24J2/46	GUO CHANGSHUN	Heat-transferring improved U-shaped solar heat-collecting pipe
CN102466340 A 20120523	CN20111405466 20111202	F24J2/46; G02B7/182; G02B19/00	ZHAO RUJIN	Hemispherical cavity type solar heat collection device
CN102466341 A 20120523	CN20111405863 20111208	F24J2/46; F24J2/32	YANGZHOU SUNLEADA SOLAR CO LTD	Contact heat transfer type solar heat collector module
CN102466342 A 20120523	CN20111406463 20111208	F24J2/46; F24J2/50	YANGZHOU SUNLEADA SOLAR CO LTD	Full-plastic pressure-bearing dual cycle spiral tube type split solar water heater
CN102466343 A 20120523	CN20111406915 20111209	F24J2/46; F24J2/32; F24J2/50	YANGZHOU TIANCIYUAN SOLAR WATER HEATER CO LTD	Pressure-bearing dual cycle metal heat exchanger type split solar water heater
CN102466344 A 20120523	CN20111407443 20111209	F24J2/46	YE CAIYUN	Full-plastic pressure-bearing ring tube type split solar water heater
CN102466345 A 20120523	CN20111408721 20111209	F24J2/46	YE CAIYUN	Full-plastic pressure-bearing dual-bucket helical tube type split solar water heater
CN102466346 A 20120523	CN20111409483 20111212	F24J2/46	LI DIANZHI	Energy storage type solar heat collector
CN102466347 A 20120523	CN20111410761 20111212	F24J2/46; F24J2/10; F24J2/50	CHENG JING	Portable umbrella-type solar cooker
CN102466348 A 20120523	CN20111412260 20111202	F24J2/46; B08B1/00	LIANG CHUN	Full-plastic pressure-bearing helical tube plate type dual-circulation liner
CN102466349 A 20120523	CN20111412317 20111213	F24J2/48	YANG ZHIYONG	Anti-fouling solar water heater
CN102466350 A 20120523	CN20111412357 20111213	F24J2/48	YANGZHOU SUNLEADA SOLAR CO LTD	Solar air heat collector with turning function and combined system thereof

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CN102466351 A 20120523	CN20111413456 20111210	F24J2/48; F24J2/52	YANGZHOU SUNLEADA SOLAR CO LTD	Wall-mounted all-weather solar water heater
CN102466352 A 20120523	CN20111414399 20111213	F24J2/48	YANGZHOU SUNLEADA SOLAR CO LTD	Flat-plate solar collector board core
CN102466353 A 20120523	CN20111414405 20111213	F24J2/48	YANGZHOU SUNLEADA SOLAR CO LTD	Household solar energy comprehensive utilization system
CN102466354 A 20120523	CN20111414580 20111213	F24J2/48	YANGZHOU SUNLEADA SOLAR CO LTD	Solar air heat collector
CN102466355 A 20120523	CN20111414582 20111213	F24J2/51	XIAO JIANBO	High-efficiency solar heat-preserving water tank
CN102466356 A 20120523	CN20111414590 20111213	F24J2/52	WANG PU	Pipeline emptying valve with exhaust pipe arranged on stator blade of ceramic valve core
CN102466357 A 20120523	CN20111416375 20111214	F24J2/52	YAN HONGSHENG	Full-plastic pressure-bearing dual-circulation helical split solar water heater
CN102466358 A 20120523	CN20111416391 20111214	F24J2/54	CHENG JING	Novel water heater bucket
CN102466850 A 20120523	CN20111416464 20111214	G02B7/198; F24J2/38; G02B19/00	ZHEJIANG SUPCON SOLAR ENERGY TECHNOLOGY CO LTD.	Full-plastic pressure-bearing dual barrel tubular ball type split solar water heater
CN102472527 A 20120523	CN20111419603 20111215	F24J2/48	BEHR GMBH & CO.KG [DE]	Full-plastic pressure-bearing dual-bucket horizontal type dual-circulation liner
CN102478234 A 20120530	CN20111423176 20111216	F22D1/00; F24J2/00	XI'AN RUIDA CHEMICAL TECHNOLOGY CO LTD.	Solar energy hot air power generation system
CN102478275 A 20120530	CN20111425035 20111217	F24D15/04; F24J2/46	DALIAN CHUANGDA TECHNOLOGY TRADE MARKET CO LTD.	Automatic protecting device for solar water heater
CN102478311 A 20120530	CN20111425207 20111214	F24J2/06; F24J2/30; F24J2/52; H02N6/00	DALIAN CHUANGDA TECHNOLOGY TRADE MARKET CO LTD.	Pipe sheet focusing solar heat pipe collector
CN102478312 A 20120530	CN20111425799 20111218	F24J2/38; F24J2/02; F24J2/52	CHEN JUNSHUN	Anti-scale device of solar water heater
CN102478313 A 20120530	CN20111428923 20111220	F24J2/40	DALIAN CHUANGDA TECHNOLOGY TRADE MARKET CO LTD.	Solar water heating system with ceramic sun panel operated and controlled by single water pump

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CN102478314 A 20120530	CN20111430511 20111220	F24J2/40	XI'AN KUOLI MACHANICAL AND ELECTRICAL TECHNOLOGY CO LTD.	Light-collecting tube
CN102478315 A 20120530	CN20111431169 20111221	F24J2/40; F24H9/20	JIANGSU GOMON WATER HEATER CO LTD	Solar energy and air source heat pump combined water heater
CN102478316 A 20120530	CN20111431198 20111221	F24J2/46	TAO LIDE	Energy distribution valve
CN102478317 A 20120530	CN20111432068 20111221	F24J2/46	TAO LIDE	Automatic watering device of solar water tank
CN102478318 A 20120530	CN20111433816 20111222	F24J2/46	QIAO QIAO	Anti-freezing and water-saving device of solar water heater
CN102478319 A 20120530	CN20111438500 20111224	F24J2/46; F24J2/10	LI WEI	Light gathering device
CN102483268 A 20120530	CN20111438502 20111224	F24J2/14; F24J2/54	FLAGSOL GMBH [DE]	Parallel fixed-focal solar concentrator collector
CN102483269 A 20120530	CN20111438503 20111224	F24J2/46; B08B6/00; H01L31/0216	VOLOTEK AS	Fresnel thermal power generation overlapped heat collector
CN102483270 A 20120530	CN20111441876 20111227	F24J2/52; F24J2/46; H01L31/042	LCAN ALUMINIUM PRESSWERKE GMBH	Solar lighting mechanism
CN102483311 A 20120530	CN20111441889 20111227	F28D20/00; F24D11/00; F24J2/34	DANFOSS AS	Ready-packaged heat pipe for heat pipe type solar collector and corresponding header
CN102486167 A 20120606	CN20111442666 20111227	F03G6/06; F01D15/10; F02D9/00; F22B1/00; F22G1/06; F24J2/06	MAO CHUCHU	Solar energy air curing barn
CN102486339 A 20120606	CN20111443475 20111227	F24J2/00; F24J2/04; F24J2/50	CHEN JUNSHUN	Follow-up solar water heater
CN102486340 A 20120606	CN20111444385 20111227	F24J2/00; H04B1/04	GAO ZHENHUA;LI JIALUN;YAN SHICAI	Cross zoom solar tracking utilization device and array
CN102486341 A 20120606	CN20111444915 20111227	F24J2/10; F24J2/46; F24J2/50	E-CUBE ENERGY TECHNOLOGY (SHANGHAI) CO LTD.	Heat pipe type vacuum tube semiconductor thermoelectric water heating system



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CN102486342 A 20120606	CN20111445659 20111228	F24J2/32; F24J2/06; F24J2/10; F24J2/12; F24J2/28; F24J2/30; F24J2/46; F24J2/52	HANGZHOU SANHUA INSTITUTE CO LTD	Fully-automatic solar cooker controller
CN102486343 A 20120606	CN20111448897 20111229	F24J2/48	XU SHENGZHI	Solar water heater cleaning device
CN102487097 A 20120606	CN20111449612 20111229	H01L31/052; F24J2/10; F24J2/24; H01L31/058; H02N6/00	XU SHENGZHI	Straight-through solar collector tube
CN102487250 A 20120606	CN20111449802 20111229	H02N3/00; F24J2/46; H02J7/00	XI'AN CO-MEN ELECTRONIC TECHNOLOGY CO LTD.	Solar water heater
CN102491440 A 20120613	CN20111449804 20111229	C02F1/14; F24J2/04; F25B19/04	QINGDAO UNIVERSITY	Method for using vacuum technology in preparation of energy transfer control device
CN102493678 A 20120613	CN20111449817 20111229	E04H1/04; E04G21/00; F24F5/00; F24J2/04; F24J2/24	SUN YOUFANG	Vacuum pipe explosion leakage-proof system of solar water heater
CN102494157 A 20120613	CN20111449818 20111229	F16K11/074; F24J2/46	HAN MINJIE	Flat heat pipe type nano-fluid solar collector
CN102494378 A 20120613	CN20111449820 20111229	F24F5/00; F24J2/04; F25B30/06; F25B41/04	ANHUI RIYUAN ENVIRONMENTAL PROTECTION ENERGY TECHNOLOGY CO LTD.	Solar flat plate heat collector
CN102494405 A 20120613	CN20111451886 20111228	F24J2/00; F24J2/05; F24J2/08; F24J2/24; F24J2/40; F24J2/46; F24J2/48	SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY	Linear Freel solar energy straight line linkage tracking transmission control device
CN102494406 A 20120613	CN20111452000 20111229	F24J2/00; F24J2/40	LV HONGXIA	Non-pressure-bearing solar water heater
CN102494407 A 20120613	CN20111452003 20111229	F24J2/05; F24J2/24; F24J2/40; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Bucket-shaped concentrating solar steam- operated machine set
CN102494408 A 20120613	CN20111457300 20111215	F24J2/05; F24J2/10; F24J2/24; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Non-equal-height heliostat field for solar heat generating system

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CN102494409 A 20120613	CN20112011862U 20110114	F24J2/05; F24J2/24; F24J2/30; F24J2/40; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Heliostat field cleaning system
CN102494410 A 20120613	CN20112012986U 20110110	F24J2/06; F24J2/54	BEIJING LEITE TECHNOLOGY CO LTD.	Solar vacuum plate pressure bearing structure
CN102494411 A 20120613	CN20112018554U 20110120	F24J2/08; F24J2/38; F24J2/40; F24J2/46	BEIJING LEITE TECHNOLOGY CO LTD.	Solar water heater emptying valve with easily-replaceable actuator
CN102494412 A 20120613	CN20112018578U 20110120	F24J2/20; F24J2/34; F24J2/48	CAI TINGJIA	Wind-light complementary water heater
CN102494413 A 20120613	CN20112018580U 20110120	F24J2/24; F22B1/00; F24J2/06; F24J2/48	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Solar heat collecting pipe with scattering surface
CN102494414 A 20120613	CN20112024700U 20110125	F24J2/30	GUIZHOU LVKANENG TECHNOLOGY CO LTD.	Multi-material rivet weld composite solar thermal collector plate core and manufacturing mould and method
CN102494415 A 20120613	CN20112027193U 20110114	F24J2/38; F24J2/40; F24J2/54	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	U-shaped pipe heat collector
CN102494416 A 20120613	CN20112030817U 20110129	F24J2/46; F28D15/00	HIMIN SOLAR (SHANGHAI) CO LTD.	Instantaneous solar relay electric water heater
CN102494417 A 20120613	CN20112032818U 20110128; CN20112193791U 20110610	F24J2/46	SUZHOU FANGJIYUAN ENERGY-SAVING TECHNOLOGY CO LTD.	High-reflection solar cooker
CN102494418 A 20120613	CN20112035849U 20110130	F24J2/46; F24J2/48	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Fresnel solar secondary reflection device

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CN102494419 A 20120613	CN20112046061U 20110224	F24J2/46; F24J2/48	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Solar heat collecting tube
CN102494420 A 20120613	CN20112047524U 20110225	F24J2/46; F24J2/40	GUANGDONG YUEJIA SOLAR ENERGY CO LTD.	Anti-overheating device of solar heat collector
CN102494421 A 20120613	CN20112048392U 20110227	F24J2/52	SUZHOU RUIDEEN LIGHT TECHNOLOGY CO LTD.	Thermal storage solar water heater
CN102494422 A 20120613	CN20112049309U 20110228	F24J2/54	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Grooved light-gathering solar through heat collecting vacuum pipe connector
CN102494423 A 20120613	CN20112049428U 20110228	F24J2/54	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Efficient quick-heating solar water heater
CN102494424 A 20120613	CN20112049666U 20110228	F24J2/54	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Reflective heat collector
CN102495439 A 20120613	CN20112053558U 20110222	G02B5/08; F24J2/10; F24J2/38; G02B7/182	SHANGHAI JINGDIAN NEW ENERGY CO LTD	Ultrasonic-strengthened generator for absorption refrigerator
CN102496959 A 20120613	CN20112056661U 20110228	H02J3/38; F03D7/00; F24J2/24	SONG KAIQUAN; TAN JUNFU	Water jet nozzle for solar water heating system
CN102498351 A 20120613	CN20112064211U 20110311	F24J2/34	GONZALEZ LAGOS DANIEL RICARDO	Energy transfer control device and preparation method

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CN102505915 A 20120620	CN20112064338U 20110307	E06B7/28; F24J2/24	WANG XIANQUAN	Solar energy collecting system and method
CN102506465 A 20120620	CN20112067405U 20110309	F24D17/00; F24D19/10; F24J2/00	XI'AN JIAOTONG UNIVERSITY	Line focus solar energy enhanced collector tube provided with composite getter device
CN102506505 A 20120620	CN20112068111U 20110309	F24J2/00; F24J2/40	MIDEA HOLDING CO LTD	Solar water boiler
CN102506506 A 20120620	CN20112072386U 20110318	F24J2/02	XIA FENGYI	Line focus solar energy enhanced collector tube provided with composite getter device
CN102506507 A 20120620	CN20112084339U 20110328	F24J2/24; F24J2/10; F24J2/38; F24J2/40; F24J2/46; F24J2/48	LI DEJIE	Solar water heater with spherical closed cavity for day lighting and spot light multiplication
CN102506508 A 20120620	CN20112084793U 20110318	F24J2/46	XU YANG	Solar heat energy gathering system
CN102506509 A 20120620	CN20112084903U 20110328	F24J2/46	SHANDONG ECOO SOLAR CO LTD	Solar water heater with revolute paraboloid closed cavity for multiplying lighting and concentrating
CN102506566 A 20120620	CN20112085273U 20110328	F26B9/10; A23B9/08; B01D53/26; F24J2/48; F26B21/04; F26B21/08	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD.	Steam-injection-type solar and thermal power station complementary generating system
CN102508355 A 20120620	CN20112091586U 20110326	G02B19/00; F24J2/10; G02B5/10; G02B7/198	SHANGHAI JINGDIAN NEW ENERGY CO LTD	Heat accumulation container structure
CN102515522 A 20120627	CN20112091588U 20110326	C03C3/091; C03C27/00; F24J2/48	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD	Heat source system storing heat through solar light condensation and applications thereof
CN102518540 A 20120627	CN20112094896U 20110326	F02N19/10; F24J2/04	SUZHOU FANGJIYUAN ENERGY-SAVING TECHNOLOGY CO LTD.	Solar energy and electricity mixed water heater
CN102519007 A 20120627	CN20112094897U 20110326	F21S11/00; F21V8/00; F24J2/00	MENG ZHONGYANG	Liquid regeneration apparatus and method for solar energy
CN102519147 A 20120627	CN20112102214U 20110408	F24J2/00; F24J2/40; F24J2/46	MIDEA HOLDING CO LTD	Blanket type solar energy on roof
CN102519148 A 20120627	CN20112102223U 20110828	F24J2/00; F03D9/00; F24J2/04; F24J2/40	HUNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY	Solar water heater capable of performing day lighting through secondary reflection and paraboloid of revolution

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CN102519149 A 20120627	CN20112102230U 20110828	F24J2/05; F24J2/22; F24J2/46; F24J2/48; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD.	Revolution paraboloid spotlight spherical surface closing lighting solar hot-water generating device
CN102519150 A 20120627	CN20112102305U 20110408	F24J2/05; F24J2/22; F24J2/46; F24J2/48; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD.	Solar water heater with cylindrical barrel-shaped closed day lighting cavity for spot light multiplication
CN102519151 A 20120627	CN20112102314U 20110408	F24J2/05; F24J2/20; F24J2/46; F24J2/48; F24J2/50	INSTITUTE OF ELECTRICAL ENGINEERING, CHINESE ACADEMY OF SCIENCES	Close cavity semi-spherical surface lighting and spotlight multiplication solar water heater
CN102519152 A 20120627	CN20112106352U 20110408	F24J2/07; G06F19/00	ZHEJIANG UNIVERSITY	Middle-high temperature solar energy heat- collecting device
CN102519153 A 20120627	CN20112110655U 20110412	F24J2/10; G02B5/10; G02B19/00; G02B27/00	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	Middle-low temperature solar energy thermochemical energy storage system
CN102519154 A 20120627	CN20112115540U 20110419	F24J2/12; F24J2/05; F24J2/24; F24J2/52	TIANJIN UNIVERSITY	Solar hydrogen production system engineering
CN102519155 A 20120627	CN20112117203U 20110419	F24J2/24; F24J2/10	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Stage-by-stage heat exchange solar water heater
CN102519156 A 20120627	CN20112118038U 20110413	F24J2/32; F24J2/24; F24J2/46; H02N11/00	UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA	High-efficient solar water heater
CN102519157 A 20120627	CN20112124753U 20110425	F24J2/40	SUZHOU FANGJIYUAN ENERGY-SAVING TECHNOLOGY CO LTD.	Efficient and energy-saving work method of solar water heater
CN102519158 A 20120627	CN20112124755U 20110425	F24J2/40	WANG TIANZENG	Plug-flow biogas tank solar energy triplet warming device
CN102519159 A 20120627	CN20112125566U 20110426	F24J2/46; F24J2/40	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar energy heat-collection system utilizing vacuum tube matrix

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CN102519160 A 20120627	CN20112127396U 20110421	F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.;SHANDONG ECOO SOLAR CO LTD	Tower-type solar energy water/steam compound type plate fin hot plate type heat absorber
CN102519161 A 20120627	CN20112133869U 20110429	F24J2/52	SUZHOU FANGJIYUAN ENERGY-SAVING TECHNOLOGY CO LTD.	Solar heat utilization thermostatical control system based on flow control
CN102520732 A 20120627	CN20112135142U 20110503	G05D3/12; F24J2/32	LI JIANMIN	Solar rapid warming device
CN202095485U U 20120104	CN20112135204U 20110429	A23L3/3409; F24J2/04	HUBEI DAPAI FOOD CO LTD.	Novel solar water heater
CN202100342U U 20120104	CN20112135264U 20110503; CN20112288405U 20110810	F02G1/043; F02G1/05; F02G1/053; F02G5/02; F03G6/06; F23D14/46; F24J2/46	WUXI C-SOLAR NEW ENERGY TECHNOLOGY LTD.	Flat-plate type solar water heater with double inner containers
CN202100399U U 20120104	CN20112136461U 20110504	F03G6/06; F01D15/10; F01K11/02; F01K13/02; F22B1/16; F24J2/34	INNER MONGOLIA ELECTRIC POWER SURVEY DESIGN INSTITUTE	Control device for constant temperature of water heater
CN202100400U U 20120104	CN20112136746U 20110504	F03G6/06; F22B1/00; F24J2/34	INNER MONGOLIA ELECTRIC POWER SURVEY DESIGN INSTITUTE	Solar energy evacuated solar collector tube
CN202101307U U 20120104	CN20112138951U 20110504	F24D3/08; F24D19/10; F24J2/30; F24J2/46	LUO YILONG	Refrigerating, heating and water heating integration machine combining solar energy with air energy
CN202101423U U 20120104	CN20112142221U 20110507	F24J2/00	SURFACE ENGINEERING RESEARCH CENTER OF NINGBO	Emptying device of solar water heater
CN202101424U U 20120104	CN20112143527U 20110506	F24J2/00; F24J2/46	SURFACE ENGINEERING RESEARCH CENTER OF NINGBO	Coating having solar energy selective absorption property
CN202101425U U 20120104	CN20112143539U 20110506	F24J2/00	SURFACE ENGINEERING	Novel installation rack for solar water heater

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			RESEARCH CENTER OF NINGBO	
CN202101426U U 20120104	CN20112143543U 20110506	F24J2/02	TIANJIN UNIVERSITY	Crude oil storage and transportation system with compound heating of air source and solar energy
CN202101427U U 20120104	CN20112143573U 20110506	F24J2/05; F24J2/40; F24J2/46	HAINING IEMYC SOLAR ENERGY TECHNOLOGY CO LTD.	Emptying valve of solar water heater
CN202101428U U 20120104	CN20112143586U 20110506	F24J2/05; F24J2/08; F24J2/10; F24J2/26; F24J2/46; F24J2/50	HAINING IEMYC SOLAR ENERGY TECHNOLOGY CO LTD.	Combined-type heating system with complementary of solar vacuum tubes and terrestrial heat
CN202101429U U 20120104	CN20112144514U 20110510	F24J2/05; F24J2/46	HAINING IEMYC SOLAR ENERGY TECHNOLOGY CO LTD.	Two-dimensional solar tracking type high-concentration horizontal photovoltaic electricity generation heat collecting device
CN202101430U U 20120104	CN20112145118U 20110504	F24J2/05; F24J2/46	DINGLI ENVIRONMENTAL PROTECTION TECHNOLOGY CO LTD.	Trough type solar heat-collecting reflecting mirror device
CN202101431U U 20120104	CN20112146289U 20110510	F24J2/05; F24J2/24; F24J2/46	HUANG YONGWEI	Water tank self-weight device used for solar system
CN202101432U U 20120104	CN20112146440U 20110510	F24J2/05; F24J2/46	HUANG YONGWEI	Buoyancy type solar energy unit and buoyancy type solar energy device
CN202101433U U 20120104	CN20112146536U 20110428	F24J2/05; F24J2/24; F24J2/46	ZHU LEI	Non-load-bearing solar water heating device of split type intelligent single pump
CN202101434U U 20120104	CN20112147867U 20110504	F24J2/05; F24J2/46; F24J2/52	DU WENHOU	Solar photo-thermal photoelectric water heater
CN202101435U U 20120104	CN20112148426U 20110504	F24J2/12; F24J2/24	TAIAN YIDELONG NEW ENERGY EQUIPMENT MFG CO LTD	Water level/water temperature linkage control device of solar water tank
CN202101436U U 20120104	CN20112150738U 20110512	F24J2/20; F24J2/46	SURFACE ENGINEERING RESEARCH CENTER OF NINGBO	High-heat-insulation solar collecting panel
CN202101437U U 20120104	CN20112153275U 20110513	F24J2/20; F24J2/46	SURFACE ENGINEERING RESEARCH CENTER	Pressure type solar water heater water supplement barrel

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			OF NINGBO	
CN202101438U U 20120104	CN20112153582U 20110513	F24J2/24; F24J2/46	HUANG KEXING	Solar thermal collector core with silicon nitride medium selective absorption coating
CN202101439U U 20120104	CN20112153735U 20110516	F24J2/32; F24J2/46; F28D15/02	GU QUANJUN	Elastic glass coil pipe for straight-through heat collection pipe
CN202101440U U 20120104	CN20112153763U 20110516	F24J2/34; C09K5/06; F24J2/46	JIANGSU HUAYANG SOLAR ENERGY HEATER CO LTD.	Solar heat absorbing component
CN202101441U U 20120104	CN20112154410U 20110516	F24J2/34; F24J2/46	HE YUE	Solar water heating device
CN202101442U U 20120104	CN20112154575U 20110516	F24J2/40	BINZHOU POLYTECHNIC	Balcony wall-mounted solar water heater
CN202101443U U 20120104	CN20112154593U 20110516	F24J2/46	GU QUANJUN	Solar energy auxiliary heating ground source air-conditioning hot water integrated machine
CN202101444U U 20120104	CN20112154856U 20110516	F24J2/46	ZHANG BENZHAO	Solar stand and solar installation
CN202101445U U 20120104	CN20112155327U 20110516	F24J2/46	WUXI WILLIAM ENVIRONMENTAL ENGINEERING TECHNOLOGY CO LTD.	Solar barbecue grill
CN202101446U U 20120104	CN20112155449U 20110516	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Heat supply system combining solar vacuum pipes with fuel gas
CN202101447U U 20120104	CN20112156466U 20110517	F24J2/46; F24J2/51	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Solar spotlighting heat collecting heat preservation piece
CN202101448U U 20120104	CN20112156582U 20110517	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO	Solar panel and fuel gas combined heating system



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			LTD	
CN202101449U U 20120104	CN20112156583U 20110517	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Novel heating system
CN202101450U U 20120104	CN20112156584U 20110517	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Special elevated water tank for heating system
CN202101451U U 20120104	CN20112157850U 20110507	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Novel solar thermal collector
CN202101452U U 20120104	CN20112158850U 20110509	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Window type solar cooker
CN202101453U U 20120104	CN20112159101U 20110518	F24J2/46	JINAN HAIDE ENERGY ENGINEERING CO LTD.	Solar energy air heat collector
CN202101454U U 20120104	CN20112160275U 20110519	F24J2/46	JINAN HAIDE ENERGY ENGINEERING CO LTD.	Integral machine for both solar bathing and drinking
CN202101455U U 20120104	CN20112161346U 20110519	F24J2/46	SOUTHEAST UNIVERSITY	Indoor and outdoor dual-purpose solar water heater
CN202101456U U 20120104	CN20112162449U 20110519	F24J2/46	SOUTHEAST UNIVERSITY	Phase-change energy storage bracket
CN202101457U U 20120104	CN20112163290U 20110520	F24J2/46	TONGLING ANZHI NEW ENERGY TECHNOLOGY CO LTD	Solar water-heating cup

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CN202101458U U 20120104	CN20112163301U 20110520	F24J2/46	LIU ZHIYUAN	Remote constant heat water supply device for water heater
CN202101459U U 20120104	CN20112163972U 20110520	F24J2/46	ANHUI DUODA WANJING NEW ENERGY CO LTD.	Double-bin solar water heater
CN202101460U U 20120104	CN20112164542U 20110520	F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Solar heating insulated container
CN202101461U U 20120104	CN20112166246U 20110520	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater
CN202101462U U 20120104	CN20112166931U 20110523	F24J2/52	JINAN HAIDE ENERGY ENGINEERING CO LTD.	Instant-heating type vacuum tube heat collector
CN202101466U U 20120104	CN20112167283U 20110524	F25B27/00; F24D3/00; F24J2/00; F25B29/00; F25B49/00	WU SHIAN	Solar plastic primary and secondary inner container
CN202104771U U 20120111	CN20112168752U 20110525	A47J31/00; A47J31/44; F24J2/05; F24J2/46	CHEN GENYONG	Wind driven Fresnel solar energy focusing hot-air device
CN202104772U U 20120111	CN20112170416U 20110518	A47J31/00; A47J31/44; F24J2/05; F24J2/46	CHEN GENYONG	Solar energy and air energy light-sensing signal intelligent conversion system
CN202108305U U 20120111	CN20112170999U 20110526	E04H14/00; E04D13/18; F22B1/00; F24D15/00; F24J2/00	NANTONG HUAPU CRAFT TEXTILE CO LTD.	Solar energy air heat collector
CN202109077U U 20120111	CN20112171339U 20110526	F16K31/12; F16K11/10; F24J2/46	XIE ZHIPING	Hot water circulating system
CN202109514U U 20120111	CN20112171873U 20110526	F23K5/22; F24J2/00	KUNMING LONGXINXIANG PLASTIC ANTICORROSIVE EQUIPMENT MANUFACTURING CO LTD.	Split heat exchanger of solar water heating system
CN202109577U U 20120111	CN20112171973U 20110526	F24D17/00; F24D19/10; F24H4/02; F24J2/00	TAIZHOU DEPU MACHINERY & ELECTRONIC TECHNOLOGY CO LTD.	Solar power generation water heating device

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CN202109634U U 20120111	CN20112172154U 20110526	F24H1/00; F24H9/20; F24J2/00	LI YONGHUA	Unpressurized solar water heater
CN202109666U U 20120111	CN20112177961U 20110531	F24J2/00; H02J9/04; H02N11/00	ZHANG MINGHAI	Solar water heater device
CN202109667U U 20120111	CN20112178194U 20110530	F24J2/00; H01T19/04	ANHUI DUODA WANJING NEW ENERGY CO LTD.	Novel control device of solar water heater measuring and controlling instrument
CN202109668U U 20120111	CN20112178341U 20110530	F24J2/02; F24J2/46	ZHANG SHAOJUN	Glass-polycarbonate double-layer cover plate efficient heat pipe heat collector
CN202109669U U 20120111	CN20112178342U 20110530	F24J2/02; F24J2/46; F24J2/52	SUN WENJIE	Pure plastic inner container of solar water heater
CN202109670U U 20120111	CN20112178477U 20110519	F24J2/05; F24J2/24; F24J2/46	CHEN GENYONG	Automatic water supply valve closer for solar water heater
CN202109671U U 20120111	CN20112178509U 20110519	F24J2/05; F24J2/46; F24J2/51	PUYANG TIANXIANG SOLAR ENERGY HEATING ENGINEERING CO LTD.	Multi-thread heat collection threaded pipe
CN202109672U U 20120111	CN20112178802U 20110531	F24J2/05; F24J2/46	BEIJING TIANPU SOLAR ENERGY INDUSTRY CO LTD	Heat collector of disc type solar power generation device
CN202109673U U 20120111	CN20112178863U 20110522	F24J2/05; F24J2/32; F24J2/46; F24J2/50	SHANDONG AINI VIRGIN NEW ENERGY TECHNOLOGY CO LTD	Heat absorption core for solar air collector
CN202109674U U 20120111	CN20112179490U 20110531	F24J2/05; F24J2/51	WANG ZHENGSHEN	Hydraulic oil cylinder loop device for solar daylighting panel
CN202109675U U 20120111	CN20112180099U 20110531	F24J2/12; B32B9/04; B32B15/00; B32B17/00; G02B1/10; G02B5/08; G02B7/182; G02B19/00	LANZHOU DACHENG TECHNOLOGY CO LTD.; LANZHOU DACHENG VACUUM TECHNOLOGY CO LTD.	Heat absorber core for solar energy air and water two-functional heat collector
CN202109676U U 20120111	CN20112180113U 20110531	F24J2/20; F24J2/46	BEIJING QIANGJIN TECHNOLOGY CO LTD.	Movable valve type water pipe draining device of solar water heater
CN202109677U U 20120111	CN20112180543U 20110531	F24J2/30; F24J2/46	XUN LIANZHEN	Insulating box for tower-type heat absorber system capable of generating electricity from heat of solar energy

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CN202109678U U 20120111	CN20112181367U 20110531	F24J2/34; F24J2/40	WU YUQI	Heating system combining solar water heater and heating stove
CN202109679U U 20120111	CN20112181377U 20110601	F24J2/38	CHANGZHOU YILIAOSI SOLAR ENERGY TECHNOLOGY CO LTD	Automatic evacuating and automatic water stopping device for solar water heater
CN202109680U U 20120111	CN20112181394U 20110531	F24J2/40	WANG LIANPO	Measurement and control system for solar water heater
CN202109681U U 20120111	CN20112181565U 20110531	F24J2/46; A61L2/08; A61L9/18; F21V13/00; F24D15/00; F24J2/42	ZHOU WENQIAN	Solar heat-collecting water boiler
CN202109682U U 20120111	CN20112181573U 20110531	F24J2/46	CHANGZHOU XINGWANG GREEN ENERGY CO LTD	Digital remote intelligent control system for solar water heater
CN202109683U U 20120111	CN20112181587U 20110531	F24J2/46	CHANGZHOU XINGWANG GREEN ENERGY CO LTD	Solar energy sandwich panel with black chromium selective coating
CN202109684U U 20120111	CN20112181669U 20110601	F24J2/46	ZHEJIANG BIHUALI ELECTRONIC TECHNOLOGY CO LTD.	Flat plate solar heat collector
CN202109685U U 20120111	CN20112181842U 20110531	F24J2/46	BEIJING TIANPU SOLAR ENERGY INDUSTRY CO LTD	Heat-transfer-enhancement heat absorption cores for solar air heat collector
CN202109686U U 20120111	CN20112181843U 20110531	F24J2/46; C02F1/78	CHEN FENGJUN	Support structure of solar water heater
CN202109687U U 20120111	CN20112181992U 20110531	F24J2/46	LINYI SHUANGFENG RUBBER PLASTIC PRODUCT CO LTD	Greenhouse type double-heat-collection double-heat-insulation solar heat pump drying device
CN202109688U U 20120111	CN20112182004U 20110531	F24J2/46	TONGLING ANZHI NEW ENERGY TECHNOLOGY CO LTD	Anti-scaling device for sensor of solar water heater
CN202109689U U 20120111	CN20112182010U 20110531	F24J2/46	TONGLING ANZHI NEW ENERGY TECHNOLOGY CO LTD	Double-container solar header

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CN202109690U U 20120111	CN20112182356U 20110531	F24J2/46; F24J2/51	XU SONGSHUN; NANJING NANZHOU NEW ENERGY RESEARCH DEVELOPMENT CO LTD.	Groove type light gathering electricity generator core pipe with black chrome selective coating
CN202109691U U 20120111	CN20112182463U 20110601	F24J2/48	YAN HONG	Supporting device for heat collection tube
CN202109692U U 20120111	CN20112182608U 20110601	F24J2/52	CHANGZHOU XINGWANG GREEN ENERGY CO LTD	Aluminum material for solar energy heat collecting plate
CN202109693U U 20120111	CN20112182990U 20110602	F24J2/52	FENGGANG COUNTY QIANBEI NEW ENERGY CO LTD	Solar water heater with heat accumulation/release function
CN202116369U U 20120118	CN20112183684U 20110531	C02F3/12; F24J2/00	TAIWAN SENSE ENVIRONMENT ENGINEERING CO LTD.	Solar energy heat collector bracket
CN202118301U U 20120118	CN20112183704U 20110531	F16K11/044; F16K31/122; F24J2/46	ZHENG WEISHU	Water replenishing device of solar water heater
CN202118792U U 20120118	CN20112183705U 20110531	F21S11/00; F24J2/10; F24J2/34	ZHOU WENQIAN	Heat pipe
CN202118881U U 20120118	CN20112184556U 20110602	F22D1/00; F24J2/34	INNER MONGOLIA ELECTRIC POWER SURVEY DESIGN INSTITUTE	Solar energy water heater of a compact structure
CN202118982U U 20120118	CN20112184558U 20110602	F24D3/10; F24F1/00; F24F11/02; F24J2/00; F24J2/30	GU SHENGBIAO	Solar water dispenser
CN202118995U U 20120118	CN20112185005U 20110531	F24D15/02; F24D19/10; F24J2/00	MA ZHONGMING	Flat plate collector bracket
CN202119000U U 20120118	CN20112185213U 20110602	F24D17/00; C02F1/48; F24D15/00; F24D15/04; F24D17/02; F24J2/00; F24J2/05; F24J2/24	TAIZHOU DEPU MACHINERY & ELECTRONIC TECHNOLOGY CO LTD.	Solar energy hot water tank

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CN202119102U U 20120118	CN20112185425U 20110603	F24H7/04; F24H9/20; F24J2/04; F24J2/46	PETROCHINA COMPANY LIMITED	Solar energy hot water system
CN202119123U U 20120118	CN20112185433U 20110603	F24J2/00; F24J2/38; F24J2/46; H02N6/00	LANZHOU DACHENG TECHNOLOGY CO LTD.;LANZHOU DACHENG VACUUM TECHNOLOGY CO LTD.	High bearing capacity inner container of solar water tank
CN202119124U U 20120118	CN20112186300U 20110603	F24J2/00; F24J2/46; F24J2/54	SHANGHAI JINSHAN DISTRICT YOUTH ACTIVITY CENTER	Solar water dispenser
CN202119125U U 20120118	CN20112186999U 20110527	F24J2/05; F24J2/24; F24J2/46	CHEN GENYONG	Improved water-inlet structured solar energy water tank
CN202119126U U 20120118	CN20112187134U 20110531	F24J2/05; F24J2/24; F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Flat-plate solar collector
CN202119127U U 20120118	CN20112187794U 20110607	F24J2/05; F24J2/46; F24J2/52	JIA MINGLIANG	Pneumatic solar water heater air evacuation valve
CN202119128U U 20120118	CN20112187827U 20110525	F24J2/06; F24J2/24; F24J2/52	PAN ZHAOQING	Heat-collecting device of solar water heater
CN202119129U U 20120118	CN20112188194U 20110607	F24J2/10; H01L31/052	CHANGZHOU HELIOS PHOTOVOLTAIC CO LTD	Indoor solar cooker utilizing optical fibers to conduct solar energy
CN202119130U U 20120118	CN20112188195U 20110607	F24J2/16; F24J2/46	ZHANG XIAOZE	Solar energy water heater water tank utilizing exhaust heat
CN202119131U U 20120118	CN20112188212U 20110607	F24J2/26; F24D19/00; F24F13/02; F28D15/02	SUI HONGSHENG	High-temperature solar water heater
CN202119132U U 20120118	CN20112188592U 20110524	F24J2/30; F24D12/02; F24J2/46	WEIFANG YONGNENGDA NEW ENERGY CO LTD.	Adjustable mounting support of solar water heater
CN202119133U U 20120118	CN20112188682U 20110604	F24J2/30; F24J2/46	PUYANG TIANXIANG SOLAR ENERGY HEATING ENGINEERING CO LTD.	Solar water heater capable of generating electricity

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CN202119134U U 20120118	CN20112189709U 20110603	F24J2/32; F24H4/04	SHANGHAI LVJIAN ENERGY TECHNOLOGY CO LTD.	Closely-packed serial connection type vacuum tube solar heat collector
CN202119135U U 20120118	CN20112190059U 20110607	F24J2/32	HEBEI HUAMING CHANGTAI SOLAR ENERGY CO LTD.	Floater water level automatic control valve
CN202119136U U 20120118	CN20112190177U 20110608	F24J2/34	BEIJING CREATED BIOTECHNOLOGY CO LTD.;BEIJING BEIKE YONGXIN ECOLOGICAL ENERGY TECHNOLOGY CO LTD.	Utilization device for water in solar energy water pipes
CN202119137U U 20120118	CN20112190693U 20110608	F24J2/46	ANHUI CHUNSHENG NEW ENERGY TECHNOLOGY CO LTD.	Porous bed solar air heating collector
CN202119138U U 20120118	CN20112190770U 20110608	F24J2/46; F24J2/51	ZHU JIANYU;ZHU WANXIN	Novel industrial solar dryer
CN202119139U U 20120118	CN20112190882U 20110608	F24J2/46; F24J2/40	LI GUANGXI	Oval solar heat collecting pipe
CN202119140U U 20120118	CN20112191090U 20110609	F24J2/46	SHANDONG SANGLE SOLAR-THERMAL EQUIPMENT CO LTD.	Split type water tank of solar water heater
CN202119141U U 20120118	CN20112191862U 20110609	F24J2/46; F24J2/51	CHANGZHOU SKI SOLAR ENERGY CO LTD.	Plate core of flat plate collector
CN202119142U U 20120118	CN20112191990U 20110609	F24J2/46; C02F1/58	HUAIAN TIANCIYUAN MAGNETIZED SOLAR CO LTD.	Solar heat exchange hot water storage tank
CN202119143U U 20120118	CN20112192004U 20110609	F24J2/46	SUN JIAHENG	Solar heating house
CN202119144U U 20120118	CN20112192013U 20110609	F24J2/46; F24J2/50	HE YEKAI	Central hot water energy supply system for factories
CN202119145U U 20120118	CN20112192368U 20110609	F24J2/46	DU YUANSHAN	Lightning protection solar water heater

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CN202119146U U 20120118	CN20112192393U 20110609	F24J2/46; F24J2/48	BEIJING SOLAR ENERGY RESEARCH INSTITUTE CO LTD.	Solar water heater
CN202119147U U 20120118	CN20112193181U 20110609	F24J2/46	LIU CHUNGUANG	Solar water heater
CN202119148U U 20120118	CN20112193379U 20110609	F24J2/46	QIN ZHONGQIANG	Solar energy heating, refrigeration, living hot-water supply combination system
CN202119149U U 20120118	CN20112193843U 20110610	F24J2/46	SUN SHUFEI	Solar energy water heater with solar cell
CN202119150U U 20120118	CN20112193891U 20110524	F24J2/46	CHANGZHOU HELIOS PHOTOVOLTAIC CO LTD	Vacuum solar collector with controllable collected temperature
CN202119151U U 20120118	CN20112193952U 20110610	F24J2/46	WANG KAICHEN	Double-phase flow heat exchange solar heat collecting device in vacuum heat collecting pipe
CN202119152U U 20120118	CN20112193991U 20110610	F24J2/50	GEM-PORT PHOTOVOLTAICS TECHNOLOGY (HONGKONG) CO LTD.	Shed comprehensively using natural resources for parking place
CN202119153U U 20120118	CN20112194346U 20110610	F24J2/52	HUAIYIN INSTITUTE OF TECHNOLOGY	Solar dimethyl ether heating and gasifying device
CN202119961U U 20120118	CN20112194963U 20110610	G02B7/182; F24J2/10; G02B19/00	RAYSPower NEW ENERGY CO LTD.	Strong heating solar energy water heater
CN202120928U U 20120118	CN20112194964U 20110610	H01L31/042; H01L31/02	SUNNY RICH POWER CO LTD [TW]	Water tank of solar water heater
CN202120929U U 20120118	CN20112194965U 20110610	H01L31/042; F24J2/52	YONGSHENG (SHANDONG) ENERGY CO LTD.	Fixing device of outer cylinder skin titanium strip of solar energy water heater water tank
CN202120936U U 20120118	CN20112194966U 20110610	H01L31/042; F24J2/52	YONGSHENG (SHANDONG) ENERGY CO LTD.	Gas water heater utilizing solar energy
CN202122507U U 20120125	CN20112194967U 20110610	A47J37/07; F24J2/02	SHAN SHUAI	Focusing solar heat-increasing device
CN202124243U U 20120125	CN20112195348U 20110613	B65D88/74; F24H7/02; F24J2/04; F25B30/06	OIL PRODUCTION PLANT, EAST CHINA CO SINOPEC GROUP	Wall hanging pressure-bearing type solar water heater



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CN202125100U U 20120125	CN20112195481U 20110609	E04H6/00; E04D13/18; F03D9/00; F21V33/00; F24J2/00; H02N6/00	DALIAN TRAINING CENTER, NORTHEAST CHINA GRID COMPANY	Solar heat collection device capable of automatically tracking
CN202125987U U 20120125	CN20112195622U 20110610	F24D3/10; F24H1/00; F24H9/20; F24J2/04	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD.	Solar drinking water dispenser
CN202125988U U 20120125	CN20112195691U 20110610	F24D3/10; F24H4/04; F24J2/05	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD.	Domestic central hot water energy supply system
CN202125989U U 20120125	CN20112195866U 20110610	F24D3/10; F24H1/00; F24H9/20; F24J2/00	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD.	Solar energy electricity and heat cogeneration system
CN202125991U U 20120125	CN20112195867U 20110610	F24D3/18; F24D3/14; F24D19/00; F24D19/08; F24D19/10; F24J2/04	BEIJING SHENGZHAO TECHNOLOGY DEVELOPMENT CO LTD.	Horizontally disposed gravity heat pipe solar heat collector core
CN202126013U U 20120125	CN20112195869U 20110610	F24D19/00; F24J2/46	BEIJING SHENGZHAO TECHNOLOGY DEVELOPMENT CO LTD.	Solar heat collecting system for biogas fermentation tank
CN202126096U U 20120125	CN20112196872U 20110613	F24J2/02; F24J2/12; F24J2/48; F24J2/51	CAO JIAWEI	Wall type solar and electric heater
CN202126097U U 20120125	CN20112197898U 20110614	F24J2/02	SONG RUOHONG	Novel high-performance heat collecting tube
CN202126098U U 20120125	CN20112197979U 20110601	F24J2/04; F24J2/40	JIANGSU LIYUAN SOLAR CO LTD.	Energy-saving solar water heater
CN202126099U U 20120125	CN20112198351U 20110614	F24J2/04; F24J2/40; F24J2/46	XIA BANGLIANG	Light-gathering concave-surface solar energy heat-collecting plate
CN202126100U U 20120125	CN20112198464U 20110603	F24J2/05; F24J2/24; F24J2/51	CHEN YUNZI	Courtyard movable type solar water heater directly supplying hot and boiling water through heat-collecting pipes
CN202126101U U 20120125	CN20112198470U 20110614	F24J2/05; F24J2/24	JIANGSU LIYUAN SOLAR CO LTD.	Solar water dispenser

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CN202126102U U 20120125	CN20112198543U 20110603	F24J2/05; F24J2/48; F24J2/51	PUYANG TIANXIANG SOLAR ENERGY HEATING ENGINEERING CO LTD.	Solar emptying freeze-proof device
CN202126103U U 20120125	CN20112198583U 20110609	F24J2/30	HOU NIANYI	Antifreezing water pipe matched with solar equipment
CN202126104U U 20120125	CN20112198598U 20110609	F24J2/40	KUNMING ENGINEERING & RESEARCH INSTITUTE OF NONFERROUS METALLURGY CO LTD.	Solar water heater water flow pipe constant heating and freeze protection structure
CN202126105U U 20120125	CN20112198604U 20110609	F24J2/46	SHAANXI SHENGTIAN ENERGY SERVICE CO LTD	Solar energy auxiliary heating device for crude oil
CN202126106U U 20120125	CN20112199018U 20110603	F24J2/46	MA ANBASI	Solar water heater with vacuum pipe
CN202126107U U 20120125	CN20112199993U 20110614	F24J2/48; B32B9/04; B32B15/00	ZHANG ZHEJUN	Balcony type solar water heater without water tank
CN202126113U U 20120125	CN20112200497U 20110615	F25B29/00; F24J2/04; F25B27/00; F25B30/06; F25B41/04	GAO CHUNLING	Novel water temperature and water level sensor of solar water heater
CN202127375U U 20120125	CN20112200722U 20110608	H02N6/00; F24J2/08; F24J2/24	PRETTECH MACHINERY MAKING CO LTD.	Solar water heater
CN202131693U U 20120201	CN20112200934U 20110615	E04B2/88; E04B1/76; E04B2/92; F24J2/20	GUANGWEI ZHAO	Solar photo-thermal converting curtain wall
CN202132546U U 20120201	CN20112201973U 20110609	F16K11/02; F16K31/60; F24J2/46	MINGBO LI	Solar water mixing valve
CN202132548U U 20120201	CN20112202093U 20110608	F16K11/065; F16K31/46; F24J2/46	ZHANCHENG ZHANG	Anti-freezing switch
CN202133086U U 20120201	CN20112202352U 20110616	F24H1/10; F24J2/00	JIANGSU GOMON WATER HEATER CO LTD	Special solar energy-complementary fuel gas hot and cold constant temperature water heater
CN202133132U U 20120201	CN20112202630U 20110609	F24J2/00; F24J2/46	LISHEN CAI	Emptying solar water heater

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CN202133133U U 20120201	CN20112202633U 20110609	F24J2/02; G02B7/02; G02B7/182	JING ZHANG	Convex lens solar energy cooker
CN202133134U U 20120201	CN20112202637U 20110609	F24J2/02; F24J2/40	SHIJIE XIN	Solar energy water burner capable of automatically and continuously supplying hot water
CN202133135U U 20120201	CN20112202641U 20110609	F24J2/04; F24J2/24; F24J2/46; F24J2/50	JUNWEI LI	Solar heat-collecting hollow glass
CN202133136U U 20120201	CN20112202940U 20110616	F24J2/04; F24J2/46	SUZHOU SUBAO NEW ENERGY TECHNOLOGY CO LTD	Balcony wall-mounted solar water heating system
CN202133137U U 20120201	CN20112202966U 20110616	F24J2/04; C02F1/44; C02F9/02	DALIAN ART FLOW CONTROL CO LTD	Movable comprehensive green energy resource utilization device
CN202133138U U 20120201	CN20112203426U 20110616	F24J2/05; F24J2/46; F24J2/51	YONGWEI HUANG	Solar water heater with jacket and double inner containers
CN202133139U U 20120201	CN20112203453U 20110602	F24J2/05; F24J2/22; F24J2/50	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat-panel solar energy air heat exchanger
CN202133140U U 20120201	CN20112203529U 20110522	F24J2/20; F24J2/46	XIANJIE YANG	Flat type solar heat collector
CN202133141U U 20120201	CN20112203890U 20110614	F24J2/24; F24J2/46	XIANJIE YANG	Flat solar heat collector with flow channel pipe having inverted omega-shaped section
CN202133142U U 20120201	CN20112204877U 20110617	F24J2/24; F24J2/46; F24J2/50	XIANJIE YANG	Composite bushing type flat-plate solar collector with reverse omega-shaped section of runner pipe
CN202133143U U 20120201	CN20112204911U 20110616	F24J2/30; F24J2/50	FUAN WANG	Novel composite water heater
CN202133144U U 20120201	CN20112205421U 20110617	F24J2/30	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Grating type closed built-in heat exchange type flat plate collector
CN202133145U U 20120201	CN20112205824U 20110617	F24J2/30	XIANJIE YANG	Grid-shaped closed external heat-transfer type panel heat collector
CN202133146U U 20120201	CN20112206147U 20110617	F24J2/30	XIANJIE YANG	S-shaped closed external heat transfer type flat plate collector
CN202133147U U 20120201	CN20112206352U 20110617	F24J2/30; F24J2/46; F24J2/51	YONGWEI HUANG	Novel solar water heater with dual inner containers

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CN202133148U U 20120201	CN20112206364U 20110617	F24J2/34; F24F5/00; F24H7/02	HANGZHOU RUHR ENERGY TECHNOLOGY CO LTD	Efficient phase-change energy storage equipment and solar thermal system integrated device
CN202133149U U 20120201	CN20112206375U 20110617	F24J2/46; F24J2/40	HAIER GROUP CO LTD; HAIER WATER HEATER CO LTD QINGDAO ECONOMIC DEV ZONE	Automatic liquid supplying device
CN202133150U U 20120201	CN20112206389U 20110617	F24J2/46	SHANGHAI ZHENENGHE SOLAR ENERGY EQUIPMENT CO LTD	Solar thermistor collector profile
CN202133151U U 20120201	CN20112206396U 20110617	F24J2/46	HAIER GROUP CO LTD; HAIER WATER HEATER CO LTD QINGDAO ECONOMIC DEV ZONE	Locating structure of plate core header of thermal collector
CN202133152U U 20120201	CN20112206441U 20110618	F24J2/46	HAIER GROUP CO LTD; HAIER WATER HEATER CO LTD QINGDAO ECONOMIC DEV ZONE	Spiracle structure of thermal collector
CN202133153U U 20120201	CN20112206676U 20110613	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Three-stage heating solar water heater
CN202133154U U 20120201	CN20112208308U 20110620	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Efficient solar energy water heater with separated cavities
CN202133155U U 20120201	CN20112210915U 20110621	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Integrated-type water tank with separated chambers for solar water heater
CN202133156U U 20120201	CN20112211555U 20110617	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater with side water supplement tank
CN202133157U U 20120201	CN20112211559U 20110617	F24J2/46	UNIV NORTHEASTERN	Protective cover of solar water heater
CN202133158U U 20120201	CN20112211668U 20110622	F24J2/46	JIANGSU JAJJOY SOLAR CO LTD	Sandwich-type heat transfer cabin of split-type solar water heater

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CN202133159U U 20120201	CN20112211669U 20110622	F24J2/46	GUOSHENG WU	Sun-shading vacuum-tube flat plate collector
CN202133160U U 20120201	CN20112211670U 20110622	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Vacuumed solar energy collector tube for water heater
CN202133161U U 20120201	CN20112211682U 20110622	F24J2/46	TONGLU YINYAN SOLAR ENERGY TECHNOLOGY CO LTD	Electric heating bar for solar water heater
CN202133162U U 20120201	CN20112211685U 20110622	F24J2/46; C02F1/50	JIANGSU YUPU SOLAR ENERGY CO LTD	Vacuum tube of solar water heater
CN202133163U U 20120201	CN20112211744U 20110622	F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Indoor functional module of solar water heater
CN202133164U U 20120201	CN20112211750U 20110617	F24J2/46	FANGMING XU	Water adding and filtering device for solar water heater
CN202133165U U 20120201	CN20112211990U 20110622	F24J2/46	ENNENG SONG	Frost-resisting and heat-retaining exhaust pipe for solar water heater
CN202133166U U 20120201	CN20112212563U 20110614	F24J2/50; B32B9/04; B32B15/04; B32B15/18	CHANGZHOU LONGTENG SOLAR ENERGY THERMAL EQUIPMENT CO LTD	Membrane system structure of high temperature oxidization-resistant selective absorbing membranes for inner tube of light-gathering solar thermal power generation collector tube
CN202133167U U 20120201	CN20112212844U 20110622	F24J2/52	ZHIGUO LIU	Flat plate solar collector fixing device
CN202133168U U 20120201	CN20112212855U 20110614	F24J2/52	HIMIN SOLAR (SHANGHAI) CO LTD.	Reinforced solar water heater support
CN202133169U U 20120201	CN20112212880U 20110622	F24J2/52	ZHANPING WANG	Solar panel mounting frame and solar panel component employing same
CN202135083U U 20120201	CN20112212956U 20110622	H02N6/00; F24J2/12; G02B7/02; G02B7/198; G02B17/06; G02B19/00; H01L31/052; H01L31/058	SHENZHEN ATEC BUILDING TECHNOLOGY CO LTD	Parabolic mirror secondary high power concentrating photovoltaic photo-thermal-electrical all-in-one machine
CN202141170U U 20120208	CN20112213531U 20110622	F24H1/00; F24J2/30; F24J3/06	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Multifunctional water heating system

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CN202141192U U 20120208	CN20112214012U 20110623	F24H4/02; F24J2/00	FOSHAN CLITECH AIR CONDITIONING EQUIPMENT CO LTD	A water source heat pump water heating device combined with a solar water heater
CN202141210U U 20120208	CN20112214219U 20110623	F24J2/00; F24D15/00	YANG HAILIANG	Solar energy hot-water fan heater
CN202141211U U 20120208	CN20112214527U 20110623	F24J2/00; F24J2/05; F24J2/24; F24J2/40; F24J2/52	BANGLIANG XIA	Integrated pressure-bearing wall-hanging instant solar heater
CN202141212U U 20120208	CN20112214680U 20110623	F24J2/00; F24J2/40	SHENZHEN GENERAL INST OF ARCHITECTURAL DESIGN AND RES CO LTD	Solar-gas water heating system
CN202141213U U 20120208	CN20112214911U 20110620	F24J2/00; F24J2/40; F24J2/46	SHENZHEN GENERAL INST OF ARCHITECTURAL DESIGN AND RES CO LTD	Indirect solar hot water system
CN202141214U U 20120208	CN20112214913U 20110620	F24J2/00; F24J2/40; F24J2/46	SHENZHEN GENERAL INST OF ARCHITECTURAL DESIGN AND RES CO LTD	Solar water heating system
CN202141215U U 20120208	CN20112214938U 20110616	F24J2/02; F24J2/46	WANLIANG YANG	Casing of solar furnace
CN202141216U U 20120208	CN20112214959U 20110616	F24J2/04; F24J2/46	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Heat collector
CN202141217U U 20120208	CN20112214969U 20110616	F24J2/04; F24J2/46	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Arched heat collector
CN202141218U U 20120208	CN20112214973U 20110623	F24J2/04; F24J2/46	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Outer wall-indented heat collector

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CN202141219U U 20120208	CN20112215441U 20110623	F24J2/04; F24J2/46	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Heat concentrator communicated at interval
CN202141220U U 20120208	CN20112215797U 20110620	F24J2/05; E04B1/80; E04D3/35; E04D13/18; F24J2/48	FANCHAO MENG	Solar collector
CN202141221U U 20120208	CN20112215806U 20110620	F24J2/05; F24J2/24; F24J2/46	GANSU JUNENG AUTOMATIC CONTROL EQUIPMENT ENGINEERING CO LTD	Solar thermal collector
CN202141222U U 20120208	CN20112215810U 20110620	F24J2/05; F24J2/46	HAINING SIJIWANG SOLAR ENERGY INDUSTRY CO LTD	Solar water heater special for slope roofs
CN202141223U U 20120208	CN20112215910U 20110623	F24J2/10; F24J2/24; F24J2/48; F24J2/51	ZHIGANG PENG	Linear Fresnel solar energy collection module
CN202141224U U 20120208	CN20112216338U 20110624	F24J2/10; F24J2/24; F24J2/48; F24J2/51	MENG CHEN	Semi-circular trough reflective condenser heliostat for heating and power generation
CN202141225U U 20120208	CN20112216644U 20110624	F24J2/14; F24J2/24	BEIJING INSTITUTE OF GRAPHIC COMMUNICATION	Solar water heater using parabolic cylindrical surface for condensation and cylindrical surface closed cavity for daylighting
CN202141226U U 20120208	CN20112217293U 20110624	F24J2/22; F24J2/48	YUANLIANG MIN	Flat-plate solar collector provided with lamination aluminum foil pieces
CN202141227U U 20120208	CN20112217492U 20110624	F24J2/24	YUANLIANG MIN	Pressing plate weldless U-shaped pipe solar heat collector
CN202141228U U 20120208	CN20112218035U 20110625	F24J2/46	FANCHAO MENG	High-temperature solar water heater
CN202141229U U 20120208	CN20112218335U 20110627	F24J2/46; F24J2/20	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Four-way flow guide solar heat collector panel
CN202141230U U 20120208	CN20112218954U 20110625	F24J2/46	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Flow-equalizing heat-concentrating plate
CN202141231U U 20120208	CN20112218957U 20110625	F24J2/46; F24H9/00	JIANGSU MAINENG HIGH TECH CO LTD	A D-shaped water outlet pipe of a horizontal pressure bearing heat storage water tank

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CN202141232U U 20120208	CN20112218958U 20110625	F24J2/46	YAOXIANG JIA	Automatically closed anti-backflow valve device
CN202141233U U 20120208	CN20112219698U 20110627	F24J2/46	A O SMITH CHINA WATER HEATER CO LTD	Solar water heater matching device
CN202141234U U 20120208	CN20112219756U 20110627	F24J2/46	TONGLING ANZHI NEW ENERGY TECHNOLOGY CO LTD	Water tank of solar water heater
CN202141235U U 20120208	CN20112220059U 20110627	F24J2/46	SHANDONG JINGPU SOLAR ENERGY TECHNOLOGY CO LTD	Solar sinkage or collapse prevention inner container
CN202142555U U 20120208	CN20112220125U 20110627	H01L31/048; F24J2/46	SUZHOU ZHOUQIAO PREC METAL CO LTD	Frame of solar energy panel
CN202144886U U 20120215	CN20112220718U 20110627	F16K11/22; F24H9/14; F24H9/20; F24J2/40	FOSHAN SHUNDE DISTR OBD AIR SOURCE WATER HEATER CO LTD	Waterway converter
CN202145052U U 20120215	CN20112220793U 20110627	F24H9/00; F24J2/46	GUANGDONG WANHEXIN ELECTRIC CO LTD	Water-storage hot water supply device with anti- corrosion device
CN202145056U U 20120215	CN20112220957U 20110628	F24J2/00; F24J2/46; F24J2/48; F24J2/51	HONGJUN ZHANG	Economic solar water heater
CN202145057U U 20120215	CN20112221211U 20110628	F24J2/22; F24J2/46	YUANLIANG MIN	Densely-arrayed flat-plate solar heat collector
CN202145058U U 20120215	CN20112222080U 20110628	F24J2/46	ZHEJIANG HID SOLAR ENERGY TECHNOLOGY CO LTD	Multi-stage flow equalization heat collecting plate
CN202145059U U 20120215	CN20112222605U 20110628	F24J2/46	TONGLING ANZHI NEW ENERGY TECHNOLOGY CO LTD	Solar water heater
CN202148209U U 20120222	CN20112223449U 20110629	C02F1/68; F24J2/46	GUO CHEN	Water purification device for solar water heater
CN202149247U U 20120222	CN20112223542U 20110629	F16K11/02; F16K31/04; F16K37/00; F24J2/46	WEIMIN CHEN	Water flow monitoring and controlling reversal valve for solar water heater



Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
CN202149552U U 20120222	CN20112223836U 20110629	F24F5/00; F24F11/02; F24J2/00; F24J3/08	XIANYAO LV	Indoor constant temperature system
CN202149611U U 20120222	CN20112224199U 20110629	F24J2/00	YULI ZHANG	External solar electricity auxiliary heating system
CN202149612U U 20120222	CN20112224417U 20110629	F24J2/00; F24J2/46	UNIV SHANDONG SCIENCE & TECH	Novel solar water heater
CN202149613U U 20120222	CN20112224941U 20110629	F24J2/00; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Solar thermal collector with back plate being encapsulated by outer meshing openings
CN202149614U U 20120222	CN20112226104U 20110630	F24J2/00; F24J2/46	MIDEA HOLDING CO LTD	Solar water heater provided with instantly-heating type electric heater
CN202149615U U 20120222	CN20112226475U 20110630	F24J2/00; F24J2/40; F24J2/46	FENGGANG COUNTY QIANBEI NEW ENERGY CO LTD	Full automatic solar water heater with trapezoidal water storage tank
CN202149616U U 20120222	CN20112226579U 20110630	F24J2/00; F24J2/24; F24J2/46	XIANGHUI XIE	Solar water heater with multiple inner containers
CN202149617U U 20120222	CN20112227313U 20110630	F24J2/00; A47J31/00; F24J2/40	SHANDONG JINGPU SOLAR ENERGY TECHNOLOGY CO LTD	Solar water dispenser
CN202149618U U 20120222	CN20112227508U 20110630	F24J2/02; F24J2/46; F24J2/48; F24J2/50	LINGBO KONG	Cast aluminum condensing solar furnace
CN202149619U U 20120222	CN20112227526U 20110630	F24J2/02; F24D5/02; F24J2/10; F24J2/38; F24J2/46; F24J2/52	SHIQUAN NIE	Solar cooker heating device
CN202149620U U 20120222	CN20112227571U 20110630	F24J2/04; F24J2/40; F24J2/46	ZHEJIANG ZHONGXIN ENERGY SOURCE DEV CO LTD	Electric pump and heat pump double-auxiliary direct or indirect solar water heater
CN202149621U U 20120222	CN20112227972U 20110630	F24J2/04	HOHHOT YUNENG TECHNOLOGY CO LTD	Central control machine for forced circulation solar water heating system
CN202149622U U 20120222	CN20112228349U 20110701	F24J2/05; F24J2/20; F24J2/50	GUANGZHOU INST ENERGY CONV CAS	Solar flat plate collector with high heat resistance
CN202149623U U 20120222	CN20112228352U 20110701	F24J2/20; F24J2/46	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Novel flat-plate type solar air collector

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CN202149624U U 20120222	CN20112228355U 20110701	F24J2/24; F24J2/10	LEI ZHU	Solar heat collector
CN202149625U U 20120222	CN20112228357U 20110701	F24J2/30	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	S-shaped closed built-in heat-exchanging type flat plate collector
CN202149626U U 20120222	CN20112228360U 20110701	F24J2/30	UNIV QINGDAO TECHNOLOGICAL	Nano-fluid solar water heater
CN202149627U U 20120222	CN20112228368U 20110701	F24J2/32; F24J2/46	BEIJING TIANPU SOLAR ENERGY INDUSTRY CO LTD	Heat pipe type full glass vacuum pipe solar water heater
CN202149628U U 20120222	CN20112228370U 20110701	F24J2/38; F24J2/40	NANJING SCİYON AUTOMATION GROUP CO LTD	Heliostat tracking control device
CN202149629U U 20120222	CN20112228888U 20110621	F24J2/46	XIAOJIN FANG	Automatic closing device for solar water-mixing valve
CN202149630U U 20120222	CN20112229319U 20110701	F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flow channel of multi-collector equal flow solar heat collector with parallel inlet and outlet
CN202149631U U 20120222	CN20112229519U 20110701	F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Equal flow path solar collector flow channel with heat transfer medium cycle inflow header pipe and heat transfer medium cycle outflow header pipe parallel
CN202149632U U 20120222	CN20112229618U 20110701	F24J2/46	FOSHAN SANPAO ENERGY TECHNOLOGY CO LTD	Groove type solar thermal collector
CN202149633U U 20120222	CN20112230565U 20110701	F24J2/46	YUANYUN GAO; YIN SHEN	Assembly structure capable of being rear- assembled for assembling flat stiff back plate and heat collector side frame
CN202149634U U 20120222	CN20112230567U 20110701	F24J2/46; F16L5/02; F16L13/02; F16L15/00	YUANYUN GAO; YIN SHEN	Collecting tube joint connection manner for solar flat plate collector
CN202149635U U 20120222	CN20112230646U 20110702	F24J2/46	YUANYUN GAO; YIN SHEN	Selective one-way steam discharge pipe for solar flat plate collector
CN202149636U U 20120222	CN20112232634U 20110701	F24J2/48; B32B15/04; B32B15/20; B32B33/00	ZHEJIANG LIANHE METAL CO LTD	Solar heat absorption coating plate

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
CN202149637U U 20120222	CN20112232812U 20110704	F24J2/48	SHANDONG JINGPU SOLAR ENERGY TECHNOLOGY CO LTD	Novel heat pipe with high energy efficiency
CN202149638U U 20120222	CN20112232834U 20110704	F24J2/52	GUOJIANG PAN	Bracket of solar heat collection combined tank
CN202152866U U 20120229	CN20112232926U 20110705	F16K11/10; F16K3/08; F16K3/30; F16K11/074; F24J2/46	GUANGZHOU SEAGULL KITCHEN & BATH PRODUCTS CO LTD	Valve for water heater
CN202152876U U 20120229	CN20112232965U 20110705	F16K31/12; F24J2/46	MAOSHENG LI	Automatic tap water closing valve
CN202153058U U 20120229	CN20112233017U 20110705	F24J2/00; F24J2/46	SANXU LIAO	Solar draining and emptying water heater of pressure-bearing flat plate
CN202153059U U 20120229	CN20112233400U 20110705	F24J2/00; F24J2/46; F24J2/51	AIHUA GUO	Square wall-mounted solar water heater
CN202153060U U 20120229	CN20112233464U 20110625	F24J2/04; F24J2/51	ZHONGXI GUO	Pressure-bearing superconductive switched solar water heater
CN202153061U U 20120229	CN20112233806U 20110705	F24J2/20; F24J2/46	HUIJUN SONG	Large-sized solar flat plate collector
CN202153062U U 20120229	CN20112233957U 20110626	F24J2/24; F03D9/00; F24J2/00	ZHENGGAO ZHOU	Efficient double-row enamel solar power generation water heater adopting new energies
CN202153063U U 20120229	CN20112234191U 20110705	F24J2/30; F24J2/46	SHENZHEN SANXIA SOLAR ENERGY CO LTD	Solar heat-exchange type heat collector with vacuum tube
CN202153064U U 20120229	CN20112234258U 20110705	F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Radiating device of heat collector
CN202153065U U 20120229	CN20112234310U 20110705	F24J2/46	ZHENLONG LENG	Solar water pipe emptying device
CN202153091U U 20120229	CN20112234814U 20110622	F26B23/00; F24J2/04; F24J2/40	CHONGQING XINGKUI BREWING CO LTD	Solar drying and heating system
CN202155188U U 20120307	CN20112234850U 20110705	B01J19/18; F24J2/00	YUAN LV; YUNJIE DING	Solar reaction kettle
CN202156969U U 20120307	CN20112234926U 20110705	C02F9/12; F24J2/46	DONGWEI WANG	Water purifying device for solar water heater

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CN202157921U U 20120307	CN20112235058U 20110624	F03G6/06; F24J2/10	YIAN FENG	Valley heliostat condensing generating system
CN202158667U U 20120307	CN20112235298U 20110706	F24J2/00; F24J2/46; F24J2/50	JIANGSU SUNBIRD ENERGY TECHNOLOGY CO LTD	Integral water tank solar thermal collector
CN202158668U U 20120307	CN20112235404U 20110706	F24J2/00; C12M1/00	CHONGQING XINGKUI BREWING CO LTD	Solar energy fermentation heat supply system
CN202158669U U 20120307	CN20112235934U 20110706	F24J2/04; F03D9/00; F03G7/00; F24J2/46	ZHENGGAO ZHOU	Double-row stainless steel high-efficiency new energy solar power-generating water heater
CN202158670U U 20120307	CN20112236106U 20110706	F24J2/05; F24J2/46	SHANGSHENG CAO	Stainless steel plate solar efficient air thermal collector
CN202158671U U 20120307	CN20112236108U 20110706	F24J2/05; F24J2/46; F24J2/51	SHAOHUA LIU	All-glass vacuum solar thermal-collecting tube with internally-inserted metal tubes
CN202158672U U 20120307	CN20112236254U 20110626	F24J2/24; F24J2/05; F24J2/10; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar energy flat panel heat collector
CN202158673U U 20120307	CN20112237247U 20110707	F24J2/24; F24J2/05; F24J2/46; F24J2/48; F24J2/51	DEHE YANG	Solar water heating system
CN202158674U U 20120307	CN20112237813U 20110707	F24J2/24; F24J2/48	ZHENJIANG XINMENGXI ENERGY TECHNOLOGY CO LTD	Concentrator of flat tube type solar water heater
CN202158675U U 20120307	CN20112238068U 20110707	F24J2/26; F24J2/48	SHANGSHENG CAO	Stainless steel tube aluminum fin penetrating and expanding flat type solar thermal collector
CN202158676U U 20120307	CN20112238331U 20110707	F24J2/30; F24J2/46	DAN XUE	Solar water heater with heat conducting ceramics
CN202158677U U 20120307	CN20112239297U 20110626	F24J2/40	UNIV NANTONG; SUNSHORE SOLAR ENERGY CO LTD	Solar energy heat accumulating engineering controlling apparatus
CN202158678U U 20120307	CN20112239454U 20110708	F24J2/40	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar hot water feeding device
CN202158679U U 20120307	CN20112239620U 20110708	F24J2/40; F24J2/46	YUNNAN INST OF BUILDING RES	Domestic solar energy water-heating system water saving device

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CN202158680U U 20120307	CN20112239737U 20110708	F24J2/40	GUARDSOUND IND CO LTD	Solar hot water equipment and fluid controller thereof
CN202158681U U 20120307	CN20112239977U 20110708	F24J2/46	GUOWANG ZHAO	Water pipe capable of proofing freeze and unfreezing
CN202158682U U 20120307	CN20112240236U 20110708	F24J2/46; F24J2/50	SHANDONG SHUAIKE NEW ENERGY CO LTD	Two-end necking-down internal focalization vacuum tube
CN202158683U U 20120307	CN20112240238U 20110708	F24J2/46	LINYI SHUANGFENG RUBBER PLASTIC PRODUCT CO LTD	Foaming locating block of solar water heater
CN202158684U U 20120307	CN20112240239U 20110708	F24J2/48; F24J2/50	FENGXIANG ZHANG	Solar ribbed heat absorbing plate
CN202158690U U 20120307	CN20112240245U 20110708	F25B30/06; F24J2/04; F24J2/46; F24J3/08	BEIJING SHENGZHAO TECHNOLOGY DEVELOPMENT CO LTD.	Automatic-flow dispersed underground thermal storage and moisturizing system of soil heat exchanger
CN202160129U U 20120307	CN20112240253U 20110708	H02N6/00; F24J2/24; F24J2/46; H02J7/00	XINGGUO HAN	Multifunctional full automatic solar energy device
CN202166191U U 20120314	CN20112240674U 20110711	F24H7/04; F24H9/00; F24J2/00	ZHONGLIN LIU; YETING SU	Solar energy photothermal and vacuum superconductive heating device
CN202166201U U 20120314	CN20112241420U 20110708	F24J2/00	SHOUMING ZHANG	Air-solar compatible heat pipe heater
CN202166202U U 20120314	CN20112241492U 20110625	F24J2/00; F22B1/00; F24J2/40	CHONGQING XINGKUI BREWING CO LTD	Solar brewing raw material stewing system
CN202166203U U 20120314	CN20112242015U 20110711	F24J2/00; F24J2/40; F24J2/46	ZHEJIANG ZHONGXIN ENERGY SOURCE DEV CO LTD	Electric auxiliary direct or indirect type forced or natural circulation solar water heater
CN202166204U U 20120314	CN20112242031U 20110711	F24J2/00; F24J2/24; F24J2/40; F24J2/46; F24J2/50	JUNTIAN WU	Flat integral type solar water heater
CN202166205U U 20120314	CN20112242035U 20110711	F24J2/02; F24J2/32	SHANGDONG JINGPU SOLAR ENERGY TECHNOLOGY CO LTD	Solar cooker
CN202166206U U 20120314	CN20112242768U 20110711	F24J2/04; F03D9/00; F03G7/00; F24J2/46	ZHENGGAO ZHOU	Single-row enamel high-efficient new-energy solar power-generation water heater

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CN202166207U U 20120314	CN20112242798U 20110711	F24J2/04; H02N6/00	YAQIN WEI	Solar water heater with photovoltaic
CN202166208U U 20120314	CN20112242836U 20110711	F24J2/04; F24J2/46; F24J2/48; F24J2/50	SHANGSHENG CAO	Stainless steel clamping flat type solar thermal collector without welding spot
CN202166209U U 20120314	CN20112243063U 20110708	F24J2/05; F24J2/32; F24J2/50	SHANDONG SUNNINESS SOLAR ENERGY TECHNOLOGY CO LTD	Balcony wall-hung compact solar water heater
CN202166210U U 20120314	CN20112243082U 20110711	F24J2/24; F24J2/46; F24J2/48	MINGLONG ZHU	Solar water heater
CN202166211U U 20120314	CN20112243670U 20110712	F24J2/30	KUN WANG	Quickly-heating boiled water power device
CN202166212U U 20120314	CN20112244004U 20110712	F24J2/34; F24J2/46	LIXUE LU	Novel anti-freezing flat-plate solar heat collector
CN202166213U U 20120314	CN20112244026U 20110712	F24J2/34; F24J2/30; F24J2/40	JIANGSU WEIYE INSTALLATION GROUP CO LTD; PING ZHU	Solar organic heat transfer medium heat storage type water heater
CN202166214U U 20120314	CN20112244300U 20110712	F24J2/38	CHAOYANG WANG	Solar energy device capable of changing angles automatically
CN202166215U U 20120314	CN20112244596U 20110712	F24J2/40	TIANHAO WU	Water level automatic control device of solar water heater
CN202166216U U 20120314	CN20112245382U 20110708	F24J2/40	MIDEA HOLDING CO LTD	Opening-closing structure of solar heater controller
CN202166217U U 20120314	CN20112245554U 20110713	F24J2/40; F24H9/20	JIANGSU GOMON WATER HEATER CO LTD	Double-linkage cold and hot water automatic constant temperature device
CN202166218U U 20120314	CN20112246096U 20110713	F24J2/40	SHENZHEN SANGXIA SOLAR ENERGY CO LTD	PID (proportional integral derivative) controller for solar hot water energy conservation
CN202166219U U 20120314	CN20112246492U 20110701	F24J2/40	HONG LI	Abat vent controller of solar water heater
CN202166220U U 20120314	CN20112246688U 20110713	F24J2/46	HAIER GROUP CO LTD; HAIER WATER HEATER CO LTD QINGDAO ECONOMIC DEV ZONE	Heat collector section

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CN202166221U U 20120314	CN20112246885U 20110713	F24J2/46	JINGUO LIU	Novel defroster of solar water heater
CN202166222U U 20120314	CN20112247010U 20110713	F24J2/46	QINGHAI DI; BAOTOU YUANYUAN CULTIVATION CO LTD	Solar energy boiler heat exchanger
CN202166223U U 20120314	CN20112247165U 20110707	F24J2/46	SHANDONG SUNNIC NEW ENERGY CO LTD	Solar flat plate collector welding-free heat collecting fin assembly
CN202166224U U 20120314	CN20112247878U 20110714	F24J2/46	FUYUN WANG	Anti-freezing device for water outlet pipe and water inlet pipe of solar water heater
CN202166225U U 20120314	CN20112247916U 20110714	F24J2/46	YUANYUN GAO; YIN SHEN	Flat-plate solar collector internally provided with reinforcing rod
CN202166226U U 20120314	CN20112248078U 20110712	F24J2/46	WENZE LIU	Anti-freezing device of solar water heater
CN202166227U U 20120314	CN20112248985U 20110715	F24J2/46	XINCHANG ZHANG	Automatic water turning-off device for solar water heater
CN202167518U U 20120314	CN20112249160U 20110715	H01L31/048; F24J2/46	LIXIN ZHAO	Solar plate outer frame
CN202168731U U 20120321	CN20112249351U 20110715	A47J27/08; A47J27/00; A47J27/21; F22B1/00; F24J2/00	YANG YEWU	Solar-energy tubular heated body pressure cooker
CN202170851U U 20120321	CN20112249663U 20110715	F03G6/06; F03D7/04; F03D9/00; F24J2/12; F24J2/40	JIEN JU	Annular paraboloid wind-gathering and light- gathering integrated heating power generation system
CN202170852U U 20120321	CN20112249681U 20110715	F03G6/06; C02F1/14; F01K25/00; F24J2/16	UNIV HANGZHOU DIANZI	High-efficiency solar thermal tower type electric power generation and seawater desalination integrated system
CN202171282U U 20120321	CN20112249966U 20110715	F24D15/00; F24D19/10; F24J2/04; F24J2/46	GUANGDONG VANWARD NEW ELECTRIC	Solar energy, heat pump and gas water heater combined heating device
CN202171347U U 20120321	CN20112250508U 20110715	F24J2/00	SHIQIONG LONG	Water heater with photovoltaic lighting
CN202171348U U 20120321	CN20112251812U 20110718	F24J2/04; F24J2/46	ZEBAO FANG	Solar energy vacuum superconducting cluster tube water heater

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
CN202171349U U 20120321	CN20112252100U 20110718	F24J2/05; F24J2/24	ZHENHUA ZHANG	Vacuum heat collecting tube of solar collector with double metal runners
CN202171350U U 20120321	CN20112252565U 20110718	F24J2/10; F24J2/24; F24J2/46; F24J2/54	YU FENG	Solar water heater using reflecting type heat collectors
CN202171351U U 20120321	CN20112252582U 20110718	F24J2/10; F24J2/24; F24J2/51	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	Triangular interlayer heat insulation sleeve type Fresnel solar light-heat converter
CN202171352U U 20120321	CN20112252583U 20110718	F24J2/24	SUZHOU JIAYI HOUSEHOLD COMMODITY CO LTD	Solar heater
CN202171353U U 20120321	CN20112252586U 20110718	F24J2/30; F24J2/46	GUANGDONG VANWARD NEW ELECTRIC	Workstation for circulating system of solar water heater
CN202171354U U 20120321	CN20112252665U 20110718	F24J2/46; F16J15/06	SHENZHEN PENGSAAGPU SOLAR ENERGY CO LTD	Solar thermal collector frame joint angle with sealing function
CN202171355U U 20120321	CN20112253020U 20110718	F24J2/46	NANJING LVDUN ELECTRICAL EQUIPMENT CO LTD	Solar fins type heat pipe
CN202171356U U 20120321	CN20112253127U 20110718	F24J2/46	PING WANG	Device for automatically filling superconducting fluid into glass tube of solar thermal collector
CN202171357U U 20120321	CN20112253276U 20110718	F24J2/46; F24J2/50	HAOYI DENG	Vacuum pipe of solar water heater
CN202171358U U 20120321	CN20112253743U 20110719	F24J2/46; C23C18/32	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RESEARCH INSTITUTE CO LTD	Straight-through solar metal heat collecting pipe
CN202171359U U 20120321	CN20112253747U 20110719	F24J2/46	WUXI GELIN BOTE ENVIRONMENTAL PROT TECHNOLOGY CO LTD	Oblique roof installation member used for flat-plate solar thermal collector
CN202171360U U 20120321	CN20112253750U 20110719	F24J2/46; C02F5/00	SOLAR ENERGY CO LTD HUANGSHI DONPER	Heat insulation water tank of solar water heater



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			ELECTROMECHANICAL GROUP	
CN202171361U U 20120321	CN20112253866U 20110719	F24J2/46	LIANGQING FAN	Air-injection evacuation water saving unit of solar hot water pipe
CN202171362U U 20120321	CN20112254693U 20110719	F24J2/46	XIAOBO HUANG	Negative-pressure controlled solar water heater free from water feeding
CN202172376U U 20120321	CN20112255125U 20110719	H02N11/00; F24J2/30; F24J2/32	JIAXUE LI	Soldier pile type single combination heat pipe solar energy thermoelectric generation heat collector
CN202172819U U 20120328	CN20112255184U 20110719	A24B3/04; A24B3/10; F24J2/00	WENSHAN STATE COMPANY YUNNAN TOBACCO CO LTD	Solar curing barn
CN202172820U U 20120328	CN20112255560U 20110719	A24B3/04; A24B3/10; F24J2/00	WENSHAN STATE COMPANY YUNNAN TOBACCO CO LTD	Energy-saving efficient solar barn
CN202177226U U 20120328	CN20112257259U 20110720	F24J2/00; F03D9/00	ZHENGGAO ZHOU	High-efficiency and new-energy flat-plate stainless steel solar power-generation water heater
CN202177227U U 20120328	CN20112257304U 20110720	F24J2/00; C12M1/00; F24J2/40	CHONGQING XINGKUI BREWING CO LTD	Solar energy brewage auxiliary heating system
CN202177228U U 20120328	CN20112257603U 20110720	F24J2/00; F24J2/46	TAIZHOU SHUGUANG SOLAR ENERGY TECHNOLOGY CO LTD	Plate-balcony-guardrail integrated solar heat collector
CN202177229U U 20120328	CN20112258160U 20110720	F24J2/00; F24J2/46	YONGFENG CHEN	Drip-overflow resistant automatic emptying solar water heater
CN202177230U U 20120328	CN20112258195U 20110720	F24J2/00; F24J2/40	ANHUI JINGRUN NEW ENERGY CO LTD	Solar water heater provided with auxiliary heat source
CN202177231U U 20120328	CN20112258219U 20110720	F24J2/00; F24J2/51	ANHUI JINGRUN NEW ENERGY CO LTD	Directly-heated type solar water heater
CN202177232U U 20120328	CN20112258256U 20110720	F24J2/02; F24H1/00; F24J3/06	WUHAN WANFUXING TECHNOLOGY CO LTD	Heating or refrigerating device of rural house utilizing natural energy
CN202177233U U 20120328	CN20112258850U 20110721	F24J2/05; F24J2/26; F24J2/48	JIANGSU PUSI NEW ENERGY TECHNOLOGY CO LTD	Novel energy-efficient solar energy collector

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CN202177234U U 20120328	CN20112261102U 20110722	F24J2/05; F24J2/46	JIANGSU PUSI NEW ENERGY TECHNOLOGY CO LTD	Novel air heating type heat collector
CN202177235U U 20120328	CN20112261575U 20110722	F24J2/12; F24J2/05; F24J2/24; F24J2/48; F24J2/50; F24J2/51	XUEMING WANG	Novel combined type solar thermal collector
CN202177236U U 20120328	CN20112261816U 20110722	F24J2/20; F24J2/52	YUANLIANG MIN	Integrally cross-hung solar water heater
CN202177237U U 20120328	CN20112261886U 20110723	F24J2/24; F24J2/48	YUANLIANG MIN	High density aluminum foil U-shaped calandria tube flat heat collector
CN202177238U U 20120328	CN20112261889U 20110723	F24J2/26; F24J2/46	JIAXING FANRONG ELECTRICAL APPLIANCES CO LTD	Solar heat exchanger
CN202177239U U 20120328	CN20112261891U 20110723	F24J2/26; F24J2/48	YUANLIANG MIN	Flat plate solar collector with high-density aluminum foils and H-shaped pipes
CN202177240U U 20120328	CN20112261910U 20110723	F24J2/30; F24J2/46	A O SMITH CHINA WATER HEATER CO LTD	Solar energy water heater with heat radiating device
CN202177241U U 20120328	CN20112262395U 20110722	F24J2/30; F24J2/46	GUANGDONG VANWARD NEW ELECTRIC	Workstation for circulating system of solar energy water heater
CN202177242U U 20120328	CN20112263819U 20110725	F24J2/30	SHIXIU HAN	Cold-heat exchanging solar water heater
CN202177243U U 20120328	CN20112263936U 20110725	F24J2/46	DA LIU	Energy-saving and water-saving anti-freezing instant heating bathing device of solar water heater
CN202177244U U 20120328	CN20112264320U 20110725	F24J2/46	JIANGSU PUSI NEW ENERGY TECHNOLOGY CO LTD	Novel non-scale water tank
CN202177245U U 20120328	CN20112264691U 20110726	F24J2/46; F24J2/48	GUANGDONG LIANSU TECH IND CO	Solar energy heat absorption plate
CN202177246U U 20120328	CN20112265188U 20110726	F24J2/46	DELONG YAO	Eccentric type thermal insulating water storage tank of solar energy water heater
CN202177247U U 20120328	CN20112265395U 20110726	F24J2/46	JIAXING FANRONG ELECTRICAL	Solar heat exchange sleeve device

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			APPLIANCES CO LTD	
CN202177248U U 20120328	CN20112266512U 20110726	F24J2/46	JIAXING FANRONG ELECTRICAL APPLIANCES CO LTD	Connecting device of solar corrugated pipes
CN202177249U U 20120328	CN20112268019U 20110726	F24J2/46; F24H9/00	HUANGSHI DONGBEI MECH ELECTRIC GROUP SOLAR ENERGY CO LTD	Multifunctional heat exchanging type pressure-bearing water tank
CN202177250U U 20120328	CN20112268230U 20110727	F24J2/46; F24J2/48	YAN ZOU	High-efficiency straight-flow solar vacuum tube
CN202177251U U 20120328	CN20112268301U 20110727	F24J2/51	YANTAI TONGXIANG CHEMICAL TECHNOLOGY CO LTD	Flat-plate type solar heat collector insulating device
CN202177252U U 20120328	CN20112268652U 20110712	F24J2/52	MIDEA HOLDING CO LTD	Supporting frame of solar water heater
CN202177253U U 20120328	CN20112268829U 20110727	F24J2/52	ANHUI JINGRUN NEW ENERGY CO LTD	Solar heat exchanger bracket with adjustable rear supporting legs
CN202177254U U 20120328	CN20112268891U 20110727	F24J2/52	ANHUI JINGRUN NEW ENERGY CO LTD	Adjustable type bracket for solar water heater
CN202178265U U 20120328	CN20112269673U 20110728	H01L31/042; F24J2/38; G05D3/00; H01L31/052	RUIFENG WANG	Solar condensing tracking device
CN202178266U U 20120328	CN20112269690U 20110728	H01L31/042; F24J2/54; G05D3/00	SUNCORE PHOTOVOLTAIC TECHNOLOGY CO LTD	Solar module support device
CN202179105U U 20120404	CN20112269732U 20110725	A24B3/04; A24B3/10; F24J2/05; F24J2/46; F24J2/51	BING HE; YUNBO DANG	Efficient solar barn
CN202179107U U 20120404	CN20112269876U 20110728	A24B3/10; A24B3/04; F24J2/00	UNIV KUNMING SCIENCE & TECH	Dense curing barn heat-supplying ventilating system with heat supplied by solar energy and air source heat pump
CN202181997U U 20120404	CN20112269886U 20110728	F03G6/06; A47K3/28; F01D15/10; F22B1/00; F24J2/05; F24J2/24	HAIJIN TIAN; JIANG LIANFA	Household solar straight-expansion type ORC (Organic Rankine Cycle) turbine power-generation bathing device

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CN202182243U U 20120404	CN20112270203U 20110728	F16K31/18; F16K27/00; F16K31/70; F24J2/46	SHAOBO XU	Temperature-controlled water-feeding valve
CN202182566U U 20120404	CN20112270505U 20110728	F24H9/00; F24J2/51	SAKURA CHINA CO LTD	Thermal insulation structure for inner container of water heater
CN202182572U U 20120404	CN20112271071U 20110729	F24J2/00; H04B1/04	ZHENHUA GAO; LI JIALUN; YAN SHICAI	Solar energy collecting and storing device
CN202182573U U 20120404	CN20112271348U 20110728	F24J2/00; F24J2/46	MAI YANG	Series focus type solar energy heat-collecting device
CN202182574U U 20120404	CN20112272051U 20110729	F24J2/05; F24J2/46	JIANGSU PUSI NEW ENERGY TECHNOLOGY CO LTD	Novel highly-efficient solar heat collector
CN202182575U U 20120404	CN20112272273U 20110729	F24J2/10; F24J2/24; F24J2/48; F24J2/51	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	Triangular single-layer heat insulation sleeve type Fresnel solar photo-thermal conversion device
CN202182576U U 20120404	CN20112272282U 20110729	F24J2/16; F24J2/46	ANSHAN NORMAL UNIVERSITY	Solar energy matrix heat collector with bar- shaped minute surface
CN202182577U U 20120404	CN20112272747U 20110729	F24J2/20; F24J2/46	WUXI GELIN BOTE ENVIRONMENTAL PROT TECHNOLOGY CO LTD	Efficient flat type heat collector
CN202182578U U 20120404	CN20112272948U 20110729	F24J2/24; F24J2/50	ANHUI JINGRUN NEW ENERGY CO LTD	Flat plate type heat concentrator used for solar water heater
CN202182579U U 20120404	CN20112273054U 20110729	F24J2/32; F24J2/46; F24J2/48; F24J2/50	KUIMING YU	Novel heat collecting device of solar water heater
CN202182580U U 20120404	CN20112273152U 20110729	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Jacketed pipe type solar water tank
CN202182581U U 20120404	CN20112273172U 20110729	F24J2/52	JIANGSU WEIYE INSTALLATION GROUP CO LTD; PING ZHU	Solar water heater heat pipe tailstock
CN202182582U U 20120404	CN20112273266U 20110729	F24J2/52	SAKURA CHINA CO LTD	Novel bracket tail support of upright type solar water heater

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CN202188631U U 20120411	CN20112273351U 20110729	F24H4/02; F24J2/08	HUZHOU ZHONGZHOU ENERGY SAVING TECHNOLOGY CO LTD	Air energy and solar energy combined water heater
CN202188636U U 20120411	CN20112273373U 20110729	F24H9/00; F24J2/46	HONG YAN	Capsule type mould pressing copper-lining pressure-bearing water tank inner liner
CN202188653U U 20120411	CN20112273375U 20110729	F24J2/00; F24J2/02; F24J2/38	UNIV TIANJIN	Indoor application system for conducting solar energy by optical fiber
CN202188654U U 20120411	CN20112273380U 20110729	F24J2/00	ZUXI PANG	Novel solar water heater
CN202188655U U 20120411	CN20112273858U 20110730	F24J2/00	XIAOYAN LIU	Thermally-assisted solar boiler
CN202188656U U 20120411	CN20112274143U 20110731	F24J2/00; F24J2/40; F24J2/46	ANHUI JINGRUN NEW ENERGY CO LTD	Solar water heater with overheating prevention function
CN202188657U U 20120411	CN20112274144U 20110731	F24J2/04; E04D13/18; F24D15/00; F24J2/00; F24J2/30; F24J2/46	HUAZI LIN; W & E INTERNAT CANADA COMPANY	Self-driving device of heated liquid and heat-driven liquid self-circulation system
CN202188658U U 20120411	CN20112274145U 20110731	F24J2/04; F24J2/34; F24J2/46	RUI LIU	Solar water heater without water tank
CN202188659U U 20120411	CN20112274234U 20110729	F24J2/04; F24J2/52	SHIQIANG ZHOU	Multipurpose solar heat collector
CN202188660U U 20120411	CN20112275040U 20110801	F24J2/04; F24J2/46	SONGWEI LIU	Flying disk type solar water heater
CN202188661U U 20120411	CN20112275190U 20110801	F24J2/04; F24J2/46	SONGWEI LIU	Water tower type solar water heater
CN202188662U U 20120411	CN20112275931U 20110801	F24J2/04; F24J2/46; F24J2/48; F24J2/50	WENYU DAI	Double-heat-conduction solar water heater
CN202188663U U 20120411	CN20112275935U 20110801	F24J2/05; F24J2/24; F24J2/30	JIANGSU PUSI NEW ENERGY TECHNOLOGY CO LTD	Novel air heating type heat collector
CN202188664U U 20120411	CN20112275963U 20110801	F24J2/10; F24J2/24; F24J2/51	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	V-shaped single-layer heat-insulation sleeve-type Fresnel solar light-heat converting device
CN202188665U U 20120411	CN20112276015U 20110801	F24J2/20; F24J2/46	YUANLIANG MIN	Solar water heater with high density vacuum flat plate collector and double-cavity water tank

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CN202188666U U 20120411	CN20112276347U 20110801	F24J2/24; F24J2/05; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar collector
CN202188667U U 20120411	CN20112276379U 20110801	F24J2/32; F24J2/46	UNIV SOUTHEAST	Flat separated type heat pipe solar water heater
CN202188668U U 20120411	CN20112276382U 20110801	F24J2/34; F24J2/46; F24J2/50; F24J2/51	BEIJING ZHAOYANG ENERGY TECHNOLOGY CO LTD	Heat absorption, storage and transfer integrated device
CN202188669U U 20120411	CN20112276895U 20110721	F24J2/40	SHANDONG JINGPU SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater special for children
CN202188670U U 20120411	CN20112276896U 20110727	F24J2/46	NANJING LVDUN ELECTRICAL EQUIPMENT CO LTD	Solar energy transparent thermal insulation pipe
CN202188671U U 20120411	CN20112276932U 20110722	F24J2/46	NANJING LVDUN ELECTRICAL EQUIPMENT CO LTD	Solar double-sealing-cover heat pipe
CN202188672U U 20120411	CN20112277163U 20110802	F24J2/46	CHUNWANG WEI	Exhausting, charging and expanding three-functional pot for heating loop of solar water heater
CN202188673U U 20120411	CN20112277737U 20110802	F24J2/46	WEI RONG	High-heat collection corrugated vacuum tube
CN202188674U U 20120411	CN20112277823U 20110802	F24J2/46; F24J2/48; F24J2/50	BEIJING RONDER GREEN ENERGY TECHNOLOGY CO LTD	Flat-plate type solar thermal collector
CN202188675U U 20120411	CN20112277959U 20110802	F24J2/46	SHANDONG TIANHUI NEW ENERGY CO LTD	Fuel gas self-control vacuum tube exhaust station
CN202188676U U 20120411	CN20112278927U 20110803	F24J2/46	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Vacuum heat collecting tube with inner wall of cover glass tube being provided with vertical-ripple reflection surface
CN202188677U U 20120411	CN20112279184U 20110803	F24J2/46; F24J2/34	BEIJING JINYANG KECHUANG SOLAR ENERGY TECHNOLOGY CO LTD	Heat accumulation type vacuum tube and heat collector with same

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CN202188678U U 20120411	CN20112279215U 20110725	F24J2/46	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Evacuated collector tube provided with raised strip mirror surface reflection layer on inner wall of cover glass tube
CN202188679U U 20120411	CN20112279314U 20110726	F24J2/46	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Vacuum heat pipe heat-collecting pipe with mirror surface reflecting plating layer at inner wall of hood glass pipe
CN202188680U U 20120411	CN20112279531U 20110803	F24J2/52	YULI ZHANG	Support body of protective solar heat collector
CN202188681U U 20120411	CN20112280810U 20110803	F24J2/52	JIANGSU LIWO NEW ENERGY TECHNOLOGY CO LTD	Middle support of solar energy boiler
CN202188682U U 20120411	CN20112280902U 20110804	F24J2/52; F22B37/24	JIANGSU LIWO NEW ENERGY TECHNOLOGY CO LTD	Bottom support for evaporator of solar boiler
CN202188683U U 20120411	CN20112280939U 20110804	F24J2/52	JIANGSU LIWO NEW ENERGY TECHNOLOGY CO LTD	Evaporation barrel support
CN202188684U U 20120411	CN20112280977U 20110804	F24J2/52; F22B37/24	JIANGSU LIWO NEW ENERGY TECHNOLOGY CO LTD	Evaporator of solar boiler
CN202190595U U 20120418	CN20112281356U 20110804	A01G9/24; F24J2/00	SICHUAN SOFTWARE MEASUREMENT TECHNOLOGY INSPECTION CT CO LTD	Underground long-term heat storage solar heating system
CN202191110U U 20120418	CN20112281842U 20110802	A47G19/22; F24J2/00	MENGMENG WANG	Solar energy absorption water cup
CN202195114U U 20120418	CN20112282274U 20110805	F16K11/22; F16K15/04; F24J2/46	BAOXIANG LIN	Full-automatic heat preservation vent valve of water tank of solar energy water heater
CN202195528U U 20120418	CN20112282399U 20110804	F24D3/08; F24D12/02; F24J2/30; F24J2/46; F24J2/51	CHINA ARCHITECTURE DESIGN & RES GROUP	Household small-sized thermal collecting and distributing device
CN202195589U U 20120418	CN20112282828U 20110805	F24H7/02; F24J2/32	ZHONGLIN LIU; YETING SU	Solar vacuum superconducting heating furnace

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CN202195600U U 20120418	CN20112282852U 20110805	F24J2/06; H02N6/00	BAO YANG	Reflective light-condensing efficient solar power-generation water heater
CN202195601U U 20120418	CN20112282940U 20110805	F24J2/24; F24J2/46	SHILONG YAN	Shutter type solar heat collecting box
CN202195602U U 20120418	CN20112283034U 20110805	F24J2/24; F24J2/05; F24J2/48	XINYUE YANG	Spiral solar heat collection tank
CN202195603U U 20120418	CN20112283047U 20110805	F24J2/32; F24J2/05; F24J2/24; F24J2/48; F24J2/52	XINYU WANG	Loop-type heat pipe type solar heat collection pipe
CN202195604U U 20120418	CN20112283052U 20110805	F24J2/40	ZHIJUN HE	Solar water heater full-automatic intelligent control instrument
CN202195605U U 20120418	CN20112285028U 20110806	F24J2/40; F16K31/18	LINYI YOUNG SUNRISING MACHINERY CO LTD	Automatic anti-overflow switch for solar heater
CN202195606U U 20120418	CN20112285030U 20110806	F24J2/40	YISHAN ZHAO	Water filling automatic control device of solar water heater
CN202195607U U 20120418	CN20112285222U 20110808	F24J2/46; F24J2/40	SHIYOU HAN; HAN BING; CI XIUZHEN	Bile duct type evacuation valve and control system thereof
CN202195608U U 20120418	CN20112285289U 20110808	F24J2/46	SHUDONG JI	Solar pipeline evacuation anti-freezing device
CN202195609U U 20120418	CN20112285680U 20110808	F24J2/46	ZELIANG CAO	Automatic water filling device of solar water heater
CN202195610U U 20120418	CN20112285691U 20110808	F24J2/46	JIAXING FANRONG ELECTRICAL APPLIANCES CO LTD	Built-in water supplementing device of heat exchanger
CN202195611U U 20120418	CN20112285782U 20110808	F24J2/46	YIQING HOU; YU YIJUN	Anti-freezing solar water heater
CN202195612U U 20120418	CN20112286557U 20110809	F24J2/46; B08B3/02	JIEYING ZHANG	Solar self-cleaning device
CN202195613U U 20120418	CN20112286686U 20110801	F24J2/46	ZHIBIN ZUO	Single-tube bidirectional solar anti-freezing system
CN202195614U U 20120418	CN20112286810U 20110809	F24J2/46	YAOLIN YIN	Water level display for solar water heater



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CN202195615U U 20120418	CN20112287123U 20110809	F24J2/46	SHANDONG LINUO PARADIGMA CO LTD	Automatic emptying device
CN202195616U U 20120418	CN20112287303U 20110809	F24J2/46	MICOE LUOYANG SOLAR ENERGY CO LTD	Vacuum exhaust working platform device
CN202195617U U 20120418	CN20112287470U 20110809	F24J2/46; F24J2/40	SHANDONG INST LIGHT INDUSTRY	Water-saving device of solar water heater
CN202195618U U 20120418	CN20112287859U 20110809	F24J2/46	YISHAN ZHAO	Anti-scale device of solar water heater
CN202197616U U 20120425	CN20112287976U 20110809	A01G9/14; F24J2/38; G05D3/12	JIAN MA	Device for tracking light focusing band of lens plastic tent
CN202198884U U 20120425	CN20112288111U 20110809	A61L9/18; F24J2/00; F24J2/46	WENQIAN ZHOU	Sunlight bactericidal lamp and photo-thermal acquisition and utilization system formed by same
CN202203452U U 20120425	CN20112288201U 20110809	F16K11/22; F16K27/00; F24J2/46	IDC PLUMBING & HEATING TECHNOLOGY BEIJING LTD; ZHEJIANG IDC FLUID CONTROL CO LTD	Solar heat exchanger combination valve
CN202203569U U 20120425	CN20112288283U 20110810	F16L41/02; F16L41/03; F24J2/46	IDC PLUMBING & HEATING TECHNOLOGY BEIJING LTD; ZHEJIANG IDC FLUID CONTROL CO LTD	Combined pipe fitting of solar heat exchanger
CN202204044U U 20120425	CN20112288399U 20110803	F24D15/00; F24J2/00	ZENGHUI YU	High-efficiency energy-saving heat complementation novel changing cooling water heater
CN202204160U U 20120425	CN20112289212U 20110810	F24H9/00; F24J2/46	HUI YONG	Multipurpose household pressure-bearing hot water tank
CN202204177U U 20120425	CN20112289229U 20110810	F24J2/00; F24J2/12; F24J2/24; F24J2/40; F24J2/46; F24J2/51	TAIAN YIDELONG NEW ENERGY EQUIPMENT MFG CO LTD	Solar water boiling furnace

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CN202204178U U 20120425	CN20112289236U 20110810	F24J2/02	ZHIWEI YU	Heating device
CN202204179U U 20120425	CN20112290155U 20110804	F24J2/04; F24J2/48; F24J2/50	YIMING ZHANG	Novel solar energy showering bag
CN202204180U U 20120425	CN20112291066U 20110811	F24J2/05; F24J2/24; F24J2/48	JINAN DAMING MECHANICAL & ELECTRICAL EQUIPMENT CO LTD	Corrosion-resistant solar heater
CN202204181U U 20120425	CN20112291578U 20110812	F24J2/05; F24J2/32; F24J2/40; F24J2/46	GUANGLING WANG	Split pressure-bearing type solar water heater
CN202204182U U 20120425	CN20112293001U 20110812	F24J2/10; F24J2/08; F24J2/38; F24J2/46	WENQIAN ZHOU	Solar energy heating water box and optical-thermal collection utilization system composed of the same
CN202204183U U 20120425	CN20112293494U 20110815	F24J2/10; F24J2/08; F24J2/38; F24J2/46	WENQIAN ZHOU	Solar heat-assisted cooker and photo-thermal collecting and utilizing system formed by same
CN202204184U U 20120425	CN20112293495U 20110815	F24J2/10; F24J2/24; F24J2/51	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	V-shaped interlayer heat insulation sleeve type Fresnel solar photo-thermal conversion device
CN202204185U U 20120425	CN20112293507U 20110815	F24J2/10; F24J2/24; F24J2/51; F24J2/52	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	Heat-collecting-tube combined single-layer insulating sleeve type Fresnel solar light-heat conversion device
CN202204186U U 20120425	CN20112293509U 20110815	F24J2/20; F24J2/46; F24J2/50	UNIV YUNNAN NORMAL	Trench type line focus medium-and-low-temperature integrated solar thermal collector
CN202204187U U 20120425	CN20112293654U 20110806	F24J2/22; F24J2/46	UNIV TSINGHUA	Solar air heat collecting device with fluctuated type strip fins
CN202204188U U 20120425	CN20112293669U 20110806	F24J2/24; F24J2/46	JIAN XIN	Heat pipe type solar water heater
CN202204189U U 20120425	CN20112293699U 20110806	F24J2/24; F24J2/46	ZHIGUI MA	Solar thermal collector
CN202204190U U 20120425	CN20112294510U 20110815	F24J2/24; F24J2/46	JINAN HONGLI SOLAR ENERGY CO LTD	Split type natural circulation flat plate collector
CN202204191U U 20120425	CN20112294543U 20110815	F24J2/24; F24D15/02; F24J2/40	MIN ZHANG	Split type solar heating system device with double purposes
CN202204192U U 20120425	CN20112295245U 20110813	F24J2/24; F24J2/40; F24J2/46; H02N6/00	SHAANXI PHOTOVOLTAIC	Solar photoelectric water heater

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			INDUSTRY CO LTD	
CN202204193U U 20120425	CN20112295472U 20110813	F24J2/26; F24J2/48	LIANSU MUNICIPAL PIPELINE HEBEI CO LTD	Plastic solar heat collection section
CN202204194U U 20120425	CN20112295551U 20110815	F24J2/30; F24J2/51	FENGJUN CHEN	Split non-bearing pressure type solar water heater
CN202204195U U 20120425	CN20112297161U 20110816	F24J2/34; F24J2/46; F24J2/51	SHANDONG RUIPU NEW ENERGY CO LTD	Heat absorption and accumulation device for solar water heater
CN202204196U U 20120425	CN20112298463U 20110816	F24J2/40; F24J2/46	FENGGANG COUNTY QIANBEI NEW ENERGY CO LTD	Split solar water heater
CN202204197U U 20120425	CN20112298759U 20110817	F24J2/46	MINGXUE YANG	External automatic water supply device of solar water heater
CN202204198U U 20120425	CN20112299015U 20110817	F24J2/46	MINGXUE YANG	Indoor single pipe automatic water supply device of solar water heater
CN202204199U U 20120425	CN20112300513U 20110818	F24J2/46; F24J2/40	MINGXUE YANG	Built-in automatic water-filling device for solar water heater
CN202204200U U 20120425	CN20112300525U 20110818	F24J2/46	XUELIN SUN	Antifreeze evacuation apparatus of solar water heater
CN202204201U U 20120425	CN20112300528U 20110818	F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Solar collecting pipe with strengthening ribs
CN202204202U U 20120425	CN20112300549U 20110818	F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Solar energy heat-collecting tube
CN202204203U U 20120425	CN20112301320U 20110818	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	A solar water heater water tank
CN202204204U U 20120425	CN20112301392U 20110818	F24J2/46; F24J2/04; F24J2/51	HONGMING LIANG	Honeycomb-like compound type solar beamless vault
CN202204205U U 20120425	CN20112301394U 20110818	F24J2/46	JIE LIU	Single-pipe natural emptying solar water heater
CN202205791U U 20120425	CN20112301402U 20110818	H01L31/058; F24J2/20; F24J2/34; H01L31/042	CHANGZHOU HELIOS PHOTOVOLTAIC CO LTD	Solar battery module

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CN202205792U U 20120425	CN20112301865U 20110819	H01L31/058; F24J2/20; F24J2/34; H01L31/042	CHANGZHOU HELIOS PHOTOVOLTAIC CO LTD	Solar cell unit
CN202209789U U 20120502	CN20112301880U 20110818	F24J2/00; F24J2/46; H02N11/00	DEZHOU UNIVERSITY	Sandwiching water tank capable of heating at periphery
CN202209790U U 20120502	CN20112301965U 20110818	F24J2/02; F24J2/46	CHEN SHAOYUN	Balcony wall-mounted horizontal clamping sleeve natural hot water circulation system
CN202209791U U 20120502	CN20112302148U 20110818	F24J2/02	AGRICULTURE PRODUCT PROCESSING DESIGN RESEARCH INSTITUTE, HAINAN ACADEMY OF AGRICULTURAL SCIENCES	Fixing piece for glass reflecting board
CN202209792U U 20120502	CN20112302311U 20110818	F24J2/04; F24H4/02; F24J2/40	MAO XUEDONG	Heat-pipe-type solar vacuum heat collector with heat accumulation function
CN202209793U U 20120502	CN20112302365U 20110818	F24J2/04; F24J2/46	YIN DONGXING	One-dimensional tracing sunlight focusing device
CN202209794U U 20120502	CN20112302376U 20110819	F24J2/04; F24J2/40	ZHANG ZHENDONG	Anti-freezing and water-saving device of solar water heater
CN202209795U U 20120502	CN20112302778U 20110819	F24J2/20; F24J2/46	CHANGZHOU YILIAOSI SOLAR ENERGY TECHNOLOGY CO LTD	Solar flat heat collector
CN202209796U U 20120502	CN20112302796U 20110819	F24J2/24; F24J2/46	WEN XIANSHENG	Solar thermal collector
CN202209797U U 20120502	CN20112303301U 20110818	F24J2/24; F24J2/51; F24J2/52	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	Composite phase-change heat accumulating solar water heater without water tank
CN202209798U U 20120502	CN20112303381U 20110818	F24J2/24; F24J2/12; F24J2/54; H02N6/00	YUAN CHANGSHENG	Solar hot water system for heat meter calibrating installation
CN202209799U U 20120502	CN20112303628U 20110819	F24J2/32; F24J2/46	WANG GUANGLING	Heat absorber with single module structure of shake stopping device
CN202209800U U 20120502	CN20112303629U 20110819	F24J2/34; F24J2/46	TSINGHUA UNIVERSITY	Photoelectric water level control instrument

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CN202209801U U 20120502	CN20112303987U 20110820	F24J2/40	NORTHWEST AGRICULTURE AND FORESTRY UNIVERSITY	Solar energy high-temperature solid heat collecting system
CN202209802U U 20120502	CN20112304223U 20110819	F24J2/40; F24J2/46	BAOLIANHUA NEW ENERGY TECHNOLOGY (SHANGHAI) CO LTD.;SOUTHEAST UNIVERSITY	Trough solar energy tracker
CN202209803U U 20120502	CN20112304670U 20110819	F24J2/46; F24J2/02	PAN YONG	Solar energy photo-thermal converter assembly
CN202209804U U 20120502	CN20112305189U 20110819	F24J2/46	LI QINGQI	Vacuum heat collecting tube utilizing glass covering tube rough mirror surface to achieve condensation
CN202209805U U 20120502	CN20112305215U 20110819	F24J2/46	TAO PEI; QIAN JIANGTAO	Control device for hot water supply by solar water heater and electric water heater or gas water heater
CN202209806U U 20120502	CN20112305799U 20110822	F24J2/46	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD	Heat transfer device of solar water heater
CN202209807U U 20120502	CN20112306043U 20110822	F24J2/46	TONGXU COUNTY YULONG PLASTIC FACTORY	Solar hot water multimode component
CN202209814U U 20120502	CN20112306103U 20110822	F25B29/00; F24F5/00; F24J2/04; F24J3/08; F25B27/00; F25B49/02	JIANGSU TENESUN ELECTRIC CO LTD.	Energy storage device capable of tracking light source
CN202210530U U 20120502	CN20112306979U 20110823	H01L31/058; F24J2/20; F24J2/34; H01L31/048	CHANGZHOU YILIAOSI SOLAR ENERGY TECHNOLOGY CO LTD	Wholly-tiled flat-plate solar heat collector
CN202211329U U 20120509	CN20112307999U 20110815	A45F3/16; F24J2/08	LI WUYANG	Substrate en verre transparent glass substrate and method for producing such a substrate
CN202214914U U 20120509	CN20112308008U 20110815	E04D13/18; F24J2/32	MENG BO	Light-tracking solar-powered mobile phone- controlled automatic heating method

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CN202215787U U 20120509	CN20112308020U 20110815	F16K11/02; F16K31/06; F16K31/44; F24J2/46	CHEN JINCAI	Heat exchange panel
CN202216418U U 20120509	CN20112308032U 20110823	F24J2/00; F24J2/52	YANG YONGJIE	Corrugated hose for water conveyance of solar water heater
CN202216419U U 20120509	CN20112308511U 20110823	F24J2/00; F24J2/04; F24J2/40	CHANGSHA GUOXI SOLAR ENERGY TECHNOLOGY CO LTD	Energy-collecting-type solar drying system
CN202216420U U 20120509	CN20112308632U 20110823	F24J2/00	ZHEJIANG HUWANG INDUSTRY CO LTD.	High-efficiency solar photo-thermal tower-type electricity generation and seawater desalination integral system
CN202216421U U 20120509	CN20112308661U 20110824	F24J2/00; F24J2/24; F24J2/40; F24J2/46	LU XIANZHONG	Solar heat and electricity combined absorber
CN202216422U U 20120509	CN20112308697U 20110823	F24J2/00; F24H1/18; F24H9/00; F24J2/46	ZHANG PENG	Lanthanum-aluminum alloy nano cluster-embedded metal ceramic solar energy absorption coating and method thereof
CN202216423U U 20120509	CN20112308824U 20110818	F24J2/04; F24J2/46; F24J2/51	YANG XIANJIE	Solar cavity-type heat absorber capable of generating overheated steam
CN202216424U U 20120509	CN20112309388U 20110824	F24J2/05; F24J2/28; F24J2/48; F24J2/51	SHANGHAI ANYO ENERGY-SAVING TECHNOLOGY CO LTD.	Working condition detector for heat pipe type solar collector
CN202216425U U 20120509	CN20112309390U 20110824	F24J2/05; F24J2/06; F24J2/30; F24J2/34; F24J2/46	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	Air source high-temperature heat pump dehumidification roasting device
CN202216426U U 20120509	CN20112309405U 20110824	F24J2/12; F24J2/34; F24J2/40; F24J2/48	FENG YIAN	Annular parabolic wind-gathering and light-gathering integrated heating power generation system
CN202216427U U 20120509	CN20112309418U 20110824	F24J2/34	GUIYANG ALUMINUM & MAGNESIUM DESIGN INSTITUTE CO LTD.	High-temperature solar selective absorption coating and preparation method thereof
CN202216428U U 20120509	CN20112309432U 20110824	F24J2/46	BEIJING TIANYUN SUN TECHNOLOGY DEVELOPMENT CO LTD.	Water tank with jacketed heat exchanger

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CN202216429U U 20120509	CN20112309439U 20110824	F24J2/46	BEIJING TIANYUN SUN TECHNOLOGY DEVELOPMENT CO LTD.	Energy-concentrating vacuum tube for solar water heater
CN202216430U U 20120509	CN20112309843U 20110824	F24J2/46	BEIJING TIANYUN SUN TECHNOLOGY DEVELOPMENT CO LTD.	Support for installing flat-plate solar collector on balcony
CN202216431U U 20120509	CN20112309853U 20110824	F24J2/46	BEIJING TIANYUN SUN TECHNOLOGY DEVELOPMENT CO LTD.	Solar photovoltaic heat exchange integration assembly and implementation method thereof
CN202216432U U 20120509	CN20112310253U 20110824	F24J2/46	JIANGYIN GUIPU ENAMEL CO LTD.	Solar heat collecting brick or tile
CN202216433U U 20120509	CN20112310254U 20110824	F24J2/46	YANG XIANJIE	Solar magnetomotive water control valve
CN202216434U U 20120509	CN20112311146U 20110825	F24J2/46	YANG XIANJIE	Energy-saving water heater
CN202216435U U 20120509	CN20112312405U 20110825	F24J2/46	GUANGZHOU HOPESUN SOLAR EQUIPMENT CO LTD.	Water-feeding automatic closing device of solar water heater
CN202216436U U 20120509	CN20112312407U 20110825	F24J2/46	GUANGZHOU HOPESUN SOLAR EQUIPMENT CO LTD.	Positive displacement water tank with multilayer compound integral insulation structure
CN202216437U U 20120509	CN20112312483U 20110825	F24J2/46	SUN GUOFENG	Heat transfer fluid
CN202216438U U 20120509	CN20112312511U 20110825	F24J2/46	CHEN ANXIANG	Water mixing valve device
CN202216439U U 20120509	CN20112313270U 20110826	F24J2/52	BEIJING TIANYUN SUN TECHNOLOGY DEVELOPMENT CO LTD.	Solar energy heat collecting tube and production method thereof
CN202216440U U 20120509	CN20112313339U 20110824	F24J2/52	ZHEJIANG SIDITE NEW ENERGY CO LTD	Dual-liner flat-plate solar water heater

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CN202216496U U 20120509	CN20112313830U 20110824	F26B9/06; F24J2/04; F26B21/04	HAINAN JINYI NEW MATERIALS CO LTD.	Heat storage system
CN202216596U U 20120509	CN20112313868U 20110826	F28D15/02; F24J2/32	BEIJING SOLAR ENERGY RESEARCH INSTITUTE CO LTD.	Building element
CN202217670U U 20120509	CN20112313868U 20110826; CN20111247192 20110826	H01L31/042; F24J2/52; G05D3/00	BEIJING CHENAN WEIYE TECHNOLOGY CO LTD.	Solar energy high-temperature heat storage and heat supply system
CN202217688U U 20120509	CN20112314186U 20110824	H01L31/058; E04D13/18; F24J2/24; H01L31/052	SHANGHAI NENGHUI ELECTRIC POWER TECHNOLOGY CO LTD.	Anti-overheating device and water heater with same
CN202220881U U 20120516	CN20112314193U 20110824	F16K11/00; F24J2/46	CHANGSHU DUST ELECTRICAL APPLIANCES CO LTD.	Flat type solar water heater
CN202220900U U 20120516	CN20112314420U 20110826	F16K31/18; F16K27/00; F24J2/46	TANG BAOTIAN	Heat utilization method in energy-resource-level light transmission process
CN202221161U U 20120516	CN20112314422U 20110826	F24H9/00; F24J2/46	ZHOU XUEZHONG	Solar energy hot-water purified-water hot-steam integrated device
CN202221168U U 20120516	CN20112314503U 20110826	F24J2/02; F24J2/46	LIN XUEJUN	Novel solar air heat collector device with permeable trapezoid structure
CN202221169U U 20120516	CN20112314638U 20110826	F24J2/02; F24J2/46	WANG YULIN	Novel water heater
CN202221170U U 20120516	CN20112314698U 20110826	F24J2/04; F24J2/46; F24J2/51	JIANGXI TAIDOU ENERGY TECHNOLOGY CO LTD.	Three-proofing vacuum tube
CN202221171U U 20120516	CN20112314830U 20110826	F24J2/05; F24J2/50	ZHU MINGLONG	High-efficiency solar heat collector
CN202221172U U 20120516	CN20112314885U 20110826	F24J2/26; H02N11/00	YANG SHUIXIONG	High-efficiency solar air heat collector
CN202221173U U 20120516	CN20112315628U 20110826	F24J2/40	SHANDONG ELECTRIC POWER SCHOOL	Solar water heater
CN202221174U U 20120516	CN20112316137U 20110827	F24J2/46	JIANGSU BADELITE SOLAR ENERGY	Solar concentrator systems



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			TECHNOLOGY CO LTD.	
CN202221175U U 20120516	CN20112317422U 20110829	F24J2/46	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD.	Solar power and heat cogeneration device
CN202221176U U 20120516	CN20112318063U 20110829	F24J2/46; F24J2/51	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD.	Collector of water heater
CN202221177U U 20120516	CN20112318064U 20110829	F24J2/46; F24J2/48	HAN BING	Three-cavity vacuum tube
CN202221178U U 20120516	CN20112318065U 20110829	F24J2/46	ZHANG QINGWANG	Special temperature control valve for solar water heater
CN202221179U U 20120516	CN20112320057U 20110830	F24J2/52	SUZHOU CROWNHOMES CO LTD.	Purifying solar air heat-collecting and current storage system
CN202221217U U 20120516	CN20112320301U 20110830	F26B9/06; F24J2/00; F26B3/02; F26B3/30	ZHAO BIN;SONG TIEJUN	Construction insulation, facing, ventilation and generating system
CN202223030U U 20120523	CN20112320303U 20110830	A47J27/21; A47J36/00; F24J2/00	LI SHANGXI	Full-plastic pressure-bearing dual-bucket ball tube type dual-circulation liner
CN202227610U U 20120523	CN20112321702U 20110830	E04D13/18; F24J2/46	HANGZHOU VERSOSOLAR CO LTD	High-temperature solar water heater
CN202228286U U 20120523	CN20112321748U 20110830	F03G6/06; F24J2/10	ZHAN YUANQING	Heat collecting module for solar water heater without water tank
CN202229165U U 20120523	CN20112321956U 20110825	F22D1/00; F22D1/24; F24H9/00; F24J2/00	HAINAN JINYI NEW MATERIALS CO LTD.	Method for marking corner of vacuum heat collecting tube by using corner scales and product
CN202229427U U 20120523	CN20112322444U 20110831	F24J2/00; F03D9/00	CONNELL ENERGY TECHNOLOGY (SHANGHAI) CO LTD.;LI JUN	Flat-plate solar heat collector
CN202229428U U 20120523	CN20112322842U 20110831	F24J2/00; H02N6/00	MA ZHAOJIAN	Solar heat storage and supply development and utilization technology
CN202229429U U 20120523	CN20112322845U 20110831	F24J2/00; F24J2/40; F24J2/46	ZHEJIANG ZHENGLI AMA TECHNOLOGY CO LTD.	Actuated feedforward controlled solar tracker system

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CN202229430U U 20120523	CN20112323216U 20110830	F24J2/00	WANG SIYANG	Non-load bearing solar water heater
CN202229431U U 20120523	CN20112324200U 20110831	F24J2/02; F24J2/52	LI HUIXIA	Wind-light-fuel gas combined generating device
CN202229432U U 20120523	CN20112324348U 20110901	F24J2/04; F24J2/46	LIU ZHONGMING	Spiral tube type full-plastic pressure-bearing dual cycle inner container
CN202229433U U 20120523	CN20112324822U 20110831	F24J2/04; F24J2/46	CONNELL ENERGY TECHNOLOGY (SHANGHAI) CO LTD.;LI JUN	Anti-freeze flat-plate solar water heater
CN202229434U U 20120523	CN20112325550U 20110901	F24J2/04; F24J2/48	SUZHOU CLARIANT ELECTROMECHANICAL CO LTD.	All-plastic pressure-bearing dual-cycle flat plate solar bathroom
CN202229435U U 20120523	CN20112325617U 20110901	F24J2/05; E04F11/18; F24J2/24; F24J2/46	TAIZHOU SHUGUANG SOLAR TECHNOLOGY CO LTD.	Pressure-bearing dual-circulation metal heat exchanger liner
CN202229436U U 20120523	CN20112325657U 20110901	F24J2/05; F24J2/24; F24J2/48; F24J2/52	SHANDONG LUCY NEW ENERGY TECHNOLOGY CO LTD	Heat engine using solar energy
CN202229437U U 20120523	CN20112325685U 20110901	F24J2/10; G02B7/182; G02B7/198	FENG YIAN	Vacuum solar water heater
CN202229438U U 20120523	CN20112325772U 20110901	F24J2/10; F24J2/46	ZHAN YUANQING	Movable valve-type pipe emptying device for solar water heater
CN202229439U U 20120523	CN20112326027U 20110902	F24J2/32; F24J2/30; F24J2/46	SUNLOT SHARES CO LTD.	Heat collection tube for trough-type solar thermal power generation
CN202229440U U 20120523	CN20112326654U 20110824	F24J2/40	NINGBO SACON WATER HEATER CO LTD.	All-plastic pressure-bearing dual-cycle vacuum tube solar bathroom
CN202229441U U 20120523	CN20112326752U 20110823	F24J2/46	WANG KAICHEN	Multi-spiral-pipe type full-plastic pressure-bearing dual cycle inner container
CN202229442U U 20120523	CN20112326962U 20110902	F24J2/46	CUI XUN	Bulb tube type full-plastic pressure-bearing dual cycle inner container
CN202229443U U 20120523	CN20112327328U 20110902	F24J2/46	LUO SHUCHEN;LI LIJUN	Double-barrel spiral tube type full-plastic pressure-bearing dual cycle inner container

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CN202229444U U 20120523	CN20112327545U 20110902	F24J2/46	CHEN YONGFENG	One-open type water pipe defroster of solar water heater
CN202229445U U 20120523	CN20112327547U 20110902	F24J2/46	CHEN YONGFENG	Device and method for controlling auxiliary heat source of solar water heating system to work
CN202229446U U 20120523	CN20112327687U 20110902	F24J2/46	HAN CHENGXIANG	Full-plastic pressure-bearing dual cycle flat plate type solar water heater
CN202229447U U 20120523	CN20112327945U 20110902	F24J2/46	BEIJING SUNDA SOLAR ENERGY TECHNOLOGY CO LTD.	Solar power generator and continuous solar power generation method
CN202229448U U 20120523	CN20112328889U 20110902	F24J2/46	GUIZHOU YONGQUAN YANGGUANG TECHNOLOGY DEVELOPMENT CO LTD.	Thermocline solar thermal storage system with baffles
CN202229449U U 20120523	CN20112330095U 20110905	F24J2/46	GUANGZHOU HOPESUN SOLAR EQUIPMENT CO LTD.	External automatic water feeding device of solar water heater
CN202229450U U 20120523	CN20112330530U 20110905	F24J2/46; F24J2/40	CHONGQING NORMAL UNIVERSITY	Solar collector tube of multilayer metal dielectric film interference type
CN202229451U U 20120523	CN20112330681U 20110828	F24J2/46	SUN SHUFEI	Concentrating solar power with glasshouses
CN202229452U U 20120523	CN20112331978U 20110906	F24J2/46	ZHU MINQI	Solar and building integrated curtain wall system and installation and construction method thereof
CN202229453U U 20120523	CN20112332229U 20110906	F24J2/46	SONG FENGMIN	Tensile plate glass
CN202229454U U 20120523	CN20112332235U 20110906	F24J2/46	WANG GUANGLING	Solar energy collecting and preheating device
CN202229455U U 20120523	CN20112332411U 20110906	F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD.	Solar collector tube with light trapping structure
CN202229456U U 20120523	CN20112333253U 20110831	F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD.	Full-plastic pressure-bearing U-shaped tube type dual-circulation liner
CN202229457U U 20120523	CN20112333424U 20110907	F24J2/46	TANG YUMIN;YU HONGWEI	Solar heat absorber with inward-protruding bottom and inverted flat-top conical cavity

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CN202229637U U 20120523	CN20112334044U 20110907	F28D15/02; F24J2/32	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD.	Novel solar water heating system suitable for use in tropical area
CN202229640U U 20120523	CN20112334374U 20110907	F28D20/02; F24J2/34	LIN WUXU	Mobile green energy source comprehensive utilization device
CN202231890U U 20120523	CN20112334719U 20110906	H05B3/78; F24J2/40; F24J2/46; H05B1/02	CHANGSHU WEICHEN ELECTRICAL APPLIANCE CO LTD.	Full-plastic pressure-bearing helical tube ball type dual-circulation liner
CN202232330U U 20120530	CN20112334868U 20110907	A01G9/14; A01G9/24; F24J2/00	AN GUOMIN	Solar heat collection device
CN202235040U U 20120530	CN20112334877U 20110907	A47K3/28; F03D1/06; F24J2/24; F24J2/46	LING CHUNLIN;CHEN AIZHEN	Antifreezing flat-plate solar heater
CN202235868U U 20120530	CN20112336337U 20110908	A61F7/08; F24J2/48	QIAO PENG DONG	Flat-plate solar collector board core
CN202242220U U 20120530	CN20112336610U 20110908	B32B33/00; B32B9/04; B32B15/04; C23C14/06; C23C14/35; F24J2/48	RICHU DONGFANG SOLAR ENERGY CO LTD.	Solar energy jet-refrigeration seawater desalting plant
CN202250640U U 20120530	CN20112336620U 20110908	F03D11/00; F03D9/00; F03G6/06; F24J2/00	ZHOU DENGRONG;ZHOU JIAN	Dome-type array solar thermoelectric power and wind power system
CN202250650U U 20120530	CN20112338000U 20110909	F03G6/06; F24J2/10	ZHAN YUANQING	Closure vertical heat exchange water tank
CN202250653U U 20120530	CN20112339428U 20110830	F03G6/06; C03C17/22; F24J2/05	LU FEIFEI	Heat preservation cover of barrel-end pipelines of solar water heater
CN202254010U U 20120530	CN20112339813U 20110909	F24F1/06; F24J2/00	ZHUHAI GREE ELECTRIC APPLIANCES INC.	Track-free two-dimensional solar light concentrating device
CN202254320U U 20120530	CN20112341375U 20110913	F24H9/00; F24J2/46	XU QUNQIANG	Parabolic trough collector
CN202254360U U 20120530	CN20112341405U 20110913	F24J2/00; F24J2/46	LIU TIXIN	Heat pipe assembly for solar collectors
CN202254361U U 20120530	CN20112341565U 20110914	F24J2/00; F24H4/02	ZHEJIANG HUWANG INDUSTRY CO LTD.	Transmission

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CN202254362U U 20120530	CN20112341566U 20110914	F24J2/00; F24J2/40	CHONGQING XINGKUI BREWING CO LTD	Solar energy and air energy ground source air conditioning plant with geothermy balance and energy storage device
CN202254363U U 20120530	CN20112342202U 20110913	F24J2/00; F02B43/10; F02B63/04; F02M21/02; F24J2/40	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	Flat-plate solar water heater capable of generating power
CN202254364U U 20120530	CN20112342322U 20110913	F24J2/00; F24J2/40	GANSU YIDE ENERGY- SAVING ENVIRONMENTAL PROTECTION CO LTD.	Novel heat pipe
CN202254365U U 20120530	CN20112342593U 20110914	F24J2/00; F24H4/02	MO SHAOMIN	Novel tube-in-tube type glass vacuum tube
CN202254366U U 20120530	CN20112343463U 20110914	F24J2/00; F24J2/24; F24J2/34; F24J2/46	HE JINXIANG	Novel high-energy-efficiency heat collector
CN202254367U U 20120530	CN20112345006U 20110915	F24J2/00; F24J2/05; F24J2/24; F24J2/52	CHE RONGSHAN	Calculating method for mirror field optical efficiency on basis of graphics processing unit (GPU) tower type solar energy thermoelectric system
CN202254368U U 20120530	CN20112345302U 20110915	F24J2/02	ZHANG WENSHENG	Flat box vertical heat pipe heat exchange water tank
CN202254369U U 20120530	CN20112346147U 20110916	F24J2/02	SICHUAN CHUANNENG AGRICULTURE DEVELOPMENT CO LTD.	Spoke type solar vacuum metal heat collection tube
CN202254370U U 20120530	CN20112346394U 20110915	F24J2/02; F24J2/46; F24J2/52	HUINING COUNTY CUIYUN NOVEL SOLAR COOKER FACTORY	Concave hole plate-type solar air heat collector
CN202254371U U 20120530	CN20112347005U 20110916	F24J2/04; F24J2/46; F24J2/50	WANG YINGWEI	Negative-pressure type flat-plate solar collector
CN202254372U U 20120530	CN20112348220U 20110916	F24J2/04; F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Dual-hydraulic-cylinder push-pull-type driver of trough solar thermal power generating condenser
CN202254373U U 20120530	CN20112348680U 20110916	F24J2/04; F24J2/40; F24J2/46	MA ZHAOJIAN	Solar auxiliary boiler energy-saving equipment

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CN202254374U U 20120530	CN20112349194U 20110919	F24J2/04; F24J2/40; F24J2/46	CHUZHOU QINGDA FOUNDER ENERGY TECHNOLOGY CO LTD	HEAT STORAGE SYSTEM
CN202254375U U 20120530	CN20112349642U 20110919	F24J2/04; E06B7/00; F24J2/30	LIU XINGUANG	Bracket for solar water heater
CN202254376U U 20120530	CN20112350453U 20110919	F24J2/05; F24J2/14; F24J2/46	ZHANG WENSHENG	Warm water recycling device of solar water heater
CN202254377U U 20120530	CN20112350454U 20110919	F24J2/05; F24J2/24; F24J2/48	SHANDONG LUCY NEW ENERGY TECHNOLOGY CO LTD	Novel solar heat collector
CN202254378U U 20120530	CN20112350471U 20110919	F24J2/05; F24J2/46	CHINA ARCHITECTURE DESIGN & RESEARCH GROUP	Method for designing optical parameters of high-power solar strip-shaped Fresnel condensing mirror field device
CN202254379U U 20120530	CN20112350479U 20110919	F24J2/10; G02B7/182; G02B7/198	FENG YIAN	Solar water heater with indoor thermal insulation box
CN202254380U U 20120530	CN20112351055U 20110917	F24J2/10; F24J2/38; F24J2/46	ZHAN YUANQING	Remote monitoring system for solar energy collecting equipment
CN202254381U U 20120530	CN20112351756U 20110920	F24J2/12; F24J2/05; F24J2/10; F24J2/24	CHINA GUANGDONG NUCLEAR POWER HOLDING CO LTD	Solar air heater
CN202254382U U 20120530	CN20112352966U 20110920	F24J2/14; F24J2/46; F24J2/52	WANG YU	Novel solar electrothermal generator
CN202254383U U 20120530	CN20112353040U 20110920	F24J2/18; F24J2/52	LI MURAN	Optical condensation solar heat collector used at low temperature
CN202254384U U 20120530	CN20112353041U 20110920	F24J2/20; F24J2/46; F24J2/50	BEIJING JIUYANG INDUSTRY CO LTD.	Solar electrothermal generator
CN202254385U U 20120530	CN20112353046U 20110920	F24J2/20; F24J2/46	ZHOU WENZHU	Novel solar reflector
CN202254386U U 20120530	CN20112353048U 20110920	F24J2/24; F24J2/48	CHEN LIXIU	Water level measuring device of solar water heater
CN202254387U U 20120530	CN20112353051U 20110920	F24J2/26; F24J2/05; F24J2/46	TAIZHOU SHUGUANG SOLAR TECHNOLOGY CO LTD.	Heat exchanger of split solar water heating system

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CN202254388U U 20120530	CN20112353057U 20110920	F24J2/26; F24J2/46	JINAN HAIDE ENERGY ENGINEERING CO LTD.	Solar vehicle heating device
CN202254389U U 20120530	CN20112353129U 20110920	F24J2/30; F24J2/40; F24J2/46	ZHEJIANG SHENTAI SOLAR ENERGY CO LTD.	Solar water heater with automatic cleaning function
CN202254390U U 20120530	CN20112353130U 20110920	F24J2/34; F24D15/02	MA ZHAOJIAN	Solar thermal collector and electromagnetic heat pump combined heating boiler
CN202254391U U 20120530	CN20112354153U 20110921	F24J2/34; F24J2/38	WANG CHENGXIN	Solar heat collection engineering remote control system with remote monitoring capability
CN202254392U U 20120530	CN20112354713U 20110921	F24J2/34; F24J2/05; F24J2/32	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	Pipeline frost crack preventing device for solar water heater
CN202254393U U 20120530	CN20112354998U 20110824	F24J2/34; F24J2/32; F24J2/46	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	Novel solar water heater
CN202254394U U 20120530	CN20112355815U 20110917	F24J2/34	JIN DONGXU;LI BENYONG;JILIN RIDIAN BUILDING SELF-CONTROL ENGINEERING CO LTD.	Novel tubular glass vacuum tube in scale-free anti-explosion tube
CN202254395U U 20120530	CN20112356140U 20110823	F24J2/34; F24J2/46	LU FEIFEI	Heat collector with high energy efficiency
CN202254396U U 20120530	CN20112356684U 20110922	F24J2/38	CHINA GUANGDONG NUCLEAR POWER HOLDING CO LTD	Heat-conducting plate of flat-plate heat collector
CN202254397U U 20120530	CN20112356816U 20110922	F24J2/38; F24J2/10; F24J2/54	SHAANXI AETHER ENERGY EQUIPMENT CO LTD.	Tubular glass vacuum tube in scale-free anti-explosion tube
CN202254398U U 20120530	CN20112357678U 20110922	F24J2/40; G01K19/00	HENAN SUNTRONT TECHNOLOGY CO LTD.	Safety protection method and device of driving unit of groove type solar heat generating condenser
CN202254399U U 20120530	CN20112357786U 20110922	F24J2/40; F24H9/20	ZHANG WEI	Solar collector and method for producing a light-absorbing surface
CN202254400U U 20120530	CN20112357862U 20110922	F24J2/40	ANHUI UNIVERSITY OF SCIENCE &	Inner light-gathering vacuum solar heat collection pipe

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			TECHNOLOGY	
CN202254401U U 20120530	CN20112357879U 20110923	F24J2/40	ZHAO YISHAN	Power generation and heat supply system with combination of solar energy and biomass fuel boiler
CN202254402U U 20120530	CN20112357880U 20110923	F24J2/46	JIANGSU WEIYE MECHANICAL AND ELECTRICAL INSTALLATION CO LTD.;ZHU PING	Antifreezing flat-plate solar collector
CN202254403U U 20120530	CN20112357898U 20110922	F24J2/46	CHANGSHA BOILER PLANT CO LTD	Method and equipment for heating to melt molten salt
CN202254404U U 20120530	CN20112357913U 20110923	F24J2/46	XU LIN	Composite phase change heat storage solar water heater without water tank
CN202254405U U 20120530	CN20112358185U 20110923	F24J2/46	DONGGUAN CAMDA GENERATOR WORK CO LTD.	Solar water heater capable of automatically supply constant-temperature water
CN202254406U U 20120530	CN20112358329U 20110923	F24J2/46	WANG LAIYU	Solar heat transfer unit
CN202254407U U 20120530	CN20112358338U 20110923	F24J2/46; F24J2/32	HAINING YIMANGE SOLAR ENERGY TECHNOLOGY CO LTD.	Solar receiver system
CN202254408U U 20120530	CN20112358346U 20110923	F24J2/46	HAINING YIMANGE SOLAR ENERGY TECHNOLOGY CO LTD.	Receiver for PV/ T solar energy systems
CN202254409U U 20120530	CN20112360279U 20110923	F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	A method for manufacturing a solar radiation absorber
CN202254410U U 20120530	CN20112360580U 20110925	F24J2/46; F24J2/40	SOUTHEAST UNIVERSITY; LOTUSLAND RENEWABLE ENERGY TECHNOLOGY SHANGHAI CO LTD	Automated solar collector installation design
CN202254411U U 20120530	CN20112361160U 20110923	F24J2/46	JIANGSU BADELITE SOLAR ENERGY	Balcony guardrail for mounting solar heat collector



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			TECHNOLOGY CO LTD.	
CN202254412U U 20120530	CN20112362090U 20110926	F24J2/46; F24J2/52	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD.	Spherical cavity type solar heat absorber with inwardly concave glass cover
CN202254413U U 20120530	CN20112362896U 20110926	F24J2/46; F24J2/32; F24J2/50	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Automated solar collector installation design including version management
CN202254414U U 20120530	CN20112363557U 20110920	F24J2/46; F24J2/24	HAN SHAOLIANG	Automated solar collector installation design including exceptional condition management and display
CN202254415U U 20120530	CN20112364790U 20110928	F24J2/46	MIDEA HOLDING CO LTD	Automated solar collector installation design including ability to define heterogeneous design preferences
CN202254416U U 20120530	CN20112364796U 20110928	F24J2/46	TIANJIN UNIVERSITY OF TECHNOLOGY	Commercial/civil solar jet central air conditioning system
CN202254418U U 20120530	CN20112365584U 20110922	F24J2/46	LIU WENQIANG [CN]	Multifunctional valve
CN202254419U U 20120530	CN20112365586U 20110922	F24J2/46; F24J2/00; F24J2/40; F24J2/51	HIMIN SOLAR (SHANGHAI) CO LTD.	Sunlight reflecting device
CN202254420U U 20120530	CN20112368732U 20110929	F24J2/46	CHUZHOU QINGDA FANGZHENG ENERGY TECHNOLOGY CO LTD	Profile member for a solar panel frame
CN202254421U U 20120530	CN20112370645U 20111008	F24J2/46	ZHU MINQI	Fresnel solar collector and light condensation unit thereof
CN202254422U U 20120530	CN20112370667U 20110928	F24J2/46	SONG FENGMIN	Solar receiver, disc type solar device and tower type solar device
CN202254423U U 20120530	CN20112373382U 20110930	F24J2/46	WUXI GELINBOTE TECHNOLOGY CO LTD.	Multifunctional solar energy module and solar energy electric heating system using same
CN202254424U U 20120530	CN20112373741U 20110928	F24J2/46; F24J2/30	FOSHAN GAOMING VANWARD ELECTRIC CO LTD.	Solar energy combined heat and power generator heat-collecting tube
CN202254425U U 20120530	CN20112374249U 20110929	F24J2/46	HIMIN SOLAR (SHANGHAI) CO LTD.	Water filling alarm for solar water heater

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CN202254426U U 20120530	CN20112375123U 20111008	F24J2/46	WANG ZHENHUA	Intelligent & self-cleaning solar panels
CN202254427U U 20120530	CN20112375125U 20111008	F24J2/46	ZHANG JIANCHENG	Rotary solar water heater
CN202254428U U 20120530	CN20112375126U 20111008	F24J2/46	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	Novel solar water feeding and discharging device
CN202254429U U 20120530	CN20112375820U 20110928	F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD.	Multifunctional glass-vacuum tube
CN202254430U U 20120530	CN20112376214U 20110928	F24J2/46	FANRONG ELECTRIC APPLIANCES CO LTD.	Energy-efficient heat collector
CN202254431U U 20120530	CN20112377422U 20110930	F24J2/46	FANRONG ELECTRIC APPLIANCES CO LTD.	Structure of novel automatic adjustment type solar water heater seat
CN202254432U U 20120530	CN20112377712U 20110928	F24J2/46	ZHEJIANG SHENTAI SOLAR ENERGY CO LTD.	Novel reflective panel for solar water heater
CN202254433U U 20120530	CN20112378312U 20110923	F24J2/46	ZHANG QINGWANG	Structure of solar energy water heater base
CN202254434U U 20120530	CN20112378357U 20111008	F24J2/46	SHENYANG WANLIYUAN ENERGY SAVING ENGINEERING CO LTD.	Improved solar water boiler heating device
CN202254435U U 20120530	CN20112379571U 20110929	F24J2/46	SHENYANG WANLIYUAN ENERGY SAVING ENGINEERING CO LTD.	Ecological-type house
CN202254436U U 20120530	CN20112380068U 20111009	F24J2/46; B08B3/02	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	Medium-temperature and high-temperature solar heat collector tube exhaust method and device
CN202254437U U 20120530	CN20112380071U 20111009	F24J2/46; F03D9/00; F24J2/40; H02N6/00	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	Solar dryer with drying agent to absorb moisture
CN202254438U U 20120530	CN20112380074U 20111009	F24J2/46; F03D9/00	KUNMING UNIVERSITY OF SCIENCE AND	Discretized secondary reflecting system

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			TECHNOLOGY	
CN202254439U U 20120530	CN20112382324U 20111010	F24J2/46; C02F1/48	WANG KEFENG	Borosilicate glass, glass-metal coupled sealing connection member, and preparation method and use of the glass-metal coupled sealing connection member
CN202254440U U 20120530	CN20112383553U 20111011	F24J2/46	JINAN HAIDE ENERGY ENGINEERING CO LTD.	Trackless solar energy condensation system
CN202254441U U 20120530	CN20112383581U 20111011	F24J2/46	JINAN HAIDE ENERGY ENGINEERING CO LTD.	Solar water heater with fast heating type water heater
CN202254442U U 20120530	CN20112384739U 20111010	F24J2/46	ZHOU YOU	Stirring type wind power heating, solar and gas hybrid water heater
CN202254443U U 20120530	CN20112385942U 20110928	F24J2/46; F24J2/40	ZHAO YISHAN	Solar air heat collector with corrugated plate
CN202254444U U 20120530	CN20112385986U 20110928	F24J2/50	DEZHOU JINHENG NEW ENERGY CO LTD.	Novel solar energy air heater heat collection tube
CN202254445U U 20120530	CN20112386235U 20110928	F24J2/52	CGN SOLAR ENERGY DEVELOPMENT CO LTD	Photovoltaic drive solar air collector
CN202254446U U 20120530	CN20112386505U 20111012	F24J2/52	CHINA GUANGDONG NUCLEAR SOLAR ENERGY DEVELOPMENT CO LTD	Water scale prevention device for solar water heater
CN202254447U U 20120530	CN20112387293U 20111013	F24J2/52	CGN SOLAR ENERGY DEVELOPMENT CO LTD	Medium injection and system pressure detection equipment for split-type solar water heater
CN202254448U U 20120530	CN20112387436U 20111008	F24J2/52	ZHEJIANG JIADELE SOLAR ENERGY CO LTD.	Automatic water cut-off device during filling water in solar water heater
CN202254449U U 20120530	CN20112389315U 20111013	F24J2/52	ZHEJIANG JIADELE SOLAR ENERGY CO LTD.	Solar hot light mirror
CN202254450U U 20120530	CN20112390653U 20111014	F24J2/52	ZHEJIANG JIADELE SOLAR ENERGY CO	Heat pipe type glass vacuum pipe

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			LTD.	
CN202254480U U 20120530	CN20112390665U 20111014	F25B29/00; F24J2/00; F25B13/00; F25B41/04	QINGDAO HAIZHIXIN ENERGY CO LTD.	Solar gas collection and storage device
CN202254660U U 20120530	CN20112392832U 20111011	F26B9/06; F24J2/04; F26B21/00; F26B25/00	JIANGSU KEDI MODERN AGIRCULTURE CO LTD.	Automatic double-linkage cold and hot water constant temperature apparatus
CN202254708U U 20120530	CN20112392835U 20111011	F26B21/00; F24J2/00	SHANGHAI ANYO ENERGY-SAVING TECHNOLOGY CO LTD.	Temperature adjusting switch
CN202254994U U 20120530	CN20112393780U 20111017	F28D15/02; F24J2/32	LIANYUNGANG ZHONGWO SOLAR ENERGY TECHNOLOGY CO LTD.	Densely-arranged double-layer glass-vacuum tube
CN202255001U U 20120530	CN20112394232U 20111017	F28D20/00; F24J2/34	CITIC GENERAL INSTITUTE OF ARCHITECTURAL DESIGN AND RESEARCH CO LTD.	Balcony construct for installing solar heat collector
CN202255002U U 20120530	CN20112394279U 20111017	F28D20/00; F24J2/34	CGN SOLAR ENERGY DEVELOPMENT CO LTD	Simultaneous drinking water/hot water recovery- type solar water-heating device
CN202255003U U 20120530	CN20112394297U 20111017	F28D20/00; F24J2/34	CHINA GUANGDONG NUCLEAR POWER HOLDING CO LTD	Field level tracker controller
CN202259336U U 20120530	CN20112394796U 20111017	H01L31/042; F24J2/52	SUZHOU RADIANT SOLAR TECHNOLOGY CO LTD.	Novel heat-tube-type glass vacuum tube
CN202259356U U 20120530	CN20112395916U 20111018	H01L31/048; F24J2/46; H01L31/02	YIDU SUNNYWORLD SOLAR-ENERGY CO LTD.	Solar middle-high temperature cluster heat accumulating boiler
CN202261088U U 20120530	CN20112399046U 20111019	H02N6/00	CHANGZHOU NESL SOLARTECH CO LTD	Transmission of spiral wheel
CN202267053U U 20120606	CN20112401008U 20111019	F22G3/00; F22G1/16; F24J2/00	DONGFANG BOILER GROUP CO LTD. OF DONGFANG ELECTRIC	Generator utilizing various natural energies

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			CORPORATION	
CN202267132U U 20120606	CN20112402698U 20111020	F24D15/00; F24F12/00; F24J2/00; F24J2/40	SHEN YONGFANG	Composite solar hot water system with heat pumps
CN202267135U U 20120606	CN20112402781U 20111021	F24D15/02; F24J2/05; F24J2/48	SHAN DONG UNIVERSITY OF SCIENCE AND TECHNOLOGY	Solar water heater
CN202267209U U 20120606	CN20112402889U 20111021	F24H4/02; F24H9/20; F24J2/04	QINGDAO HISENSE HITACHI AIR CONDITIONING SYSTEM CO LTD.	High-efficiency solar water heater
CN202267228U U 20120606	CN20112403588U 20111021	F24J2/00; F24J2/46	YANG WANLIANG	Solar heat collecting pipe for reinforcing heat exchange
CN202267229U U 20120606	CN20112403589U 20111021	F24J2/00	ZHOU QIPING	Heat-transfer fluid, preparation method for same and use thereof
CN202267230U U 20120606	CN20112406447U 20111024	F24J2/04; F24J2/46; F24J2/51	GOU SHUFANG	Hybrid heating power closed type heat extraction cycle heat-engine and power-generating device
CN202267231U U 20120606	CN20112407409U 20111023	F24J2/05; F24J2/52	LI ZONGHOU	Flat-plate solar heat collector
CN202267232U U 20120606	CN20112411401U 20111025	F24J2/05; F24J2/24; F24J2/46	GUIZHOU SPRINGS SUNSHINE TECHNOLOGY DEVELOPMENT CO LTD.	Self-supply hydraulic pressure solar water heater
CN202267233U U 20120606	CN20112411433U 20111026	F24J2/05; F24J2/48	GAO XUAN	Solar water heater with glass window
CN202267234U U 20120606	CN20112415192U 20111027	F24J2/05; F24J2/46; F24J2/48	SHAN DONG UNIVERSITY OF SCIENCE AND TECHNOLOGY	Vacuum tube solar heat collecting panel
CN202267235U U 20120606	CN20112416611U 20111027	F24J2/05; F24J2/24; F24J2/46	ZHEJIANG UNIVERSITY	Emptying and antifreezing valve for solar pipes

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CN202267236U U 20120606	CN20112416628U 20111027	F24J2/08; F24J2/48	LI ZONGHOU	Solar conversion equipment for providing high-temperature liquid vapor
CN202267237U U 20120606	CN20112416644U 20111027	F24J2/10; F03G6/06; F24J2/20	URUMQI AISITE PATENT TRANSFER SERVICE CO LTD.	Air compressed photo-thermal plate, photo-thermal glass tube and wrought iron keel technology
CN202267238U U 20120606	CN20112416656U 20111027	F24J2/24; F24J2/40	SUN XILIANG	Solar energy and common boiler combined power-generating and heating system
CN202267239U U 20120606	CN20112421978U 20111031	F24J2/24; F24J2/40; F24J2/46	CHEN YOUPING	Anti-freezing solar water heater
CN202267240U U 20120606	CN20112422215U 20111028	F24J2/24; F24J2/05	HAINING JIANENG SOLAR ENERGY INDUSTRY CO LTD.	Fresnel-type condensation reflector and Fresnel-type solar hot water system
CN202267241U U 20120606	CN20112424876U 20111101	F24J2/24	SHANDONG YAOGUO NEW ENERGY TECHNOLOGY CO LTD.	Solar energy collection apparatus
CN202267242U U 20120606	CN20112425108U 20111021	F24J2/30	HAN YANQUN	Plate type heat absorber for tower type solar thermal power generation
CN202267243U U 20120606	CN20112452559U 20111108	F24J2/30; F24J2/46	ZHEJIANG SHENTAI SOLAR ENERGY CO LTD.	Self-balanced structure for line focusing solar reflective frame
CN202267244U U 20120606	CN20121008982 20120112	F24J2/30; F24J2/34; F24J2/40; H02N6/00	SHANDONG BOTAI ENERGY & TECHNOLOGY CO LTD	Heat collector
CN202267245U U 20120606	CN20121016382 20120119	F24J2/32	BEIJING YUNTE TECHNOLOGY CO LTD.	Simple solar umbrella
CN202267246U U 20120606	CN20121021025 20120131	F24J2/40	NINGBO UNIVERSITY OF TECHNOLOGY	Water feeding device for solar water heater
CN202267247U U 20120606	CR20110443 20110818	F24J2/46	CHANGSHA BOILER PLANT CO LTD	Natural circulation solar heat storage circulating system and manufacturing method thereof
CN202267248U U 20120606	CZ20100022836U 20100611	F24J2/46	ZHONG CHONGXIN	Solar energy water heating system and water temperature increasing method thereof
CN202267249U U 20120606	CZ20110023866U 20110128	F24J2/46	SHANDONG LINUO PARADIGMA CO LTD	Solar water heater
CN202267250U U 20120606	CZ20110023991U 20110228	F24J2/46	SHANDONG LINUO PARADIGMA CO LTD	Portable solar water heater

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CN202267251U U 20120606	CZ20110024961U 20111011	F24J2/46	WANG TONGJUN	Solar conversion equipment
CN202267252U U 20120606	CZ20110025023U 20111025	F24J2/46	SHI ZUOYUAN	Heat collecting tube combined solar high-temperature direct steam heat collection device
CN202267253U U 20120606	CZ20110025173U 20111118	F24J2/46	CHANGSHA BOILER PLANT CO LTD	Architectural energy-saving system utilizing multiple renewable energy sources
CN202267254U U 20120606	CZ20110025204U 20111122	F24J2/46	SHANDONG LINUO PARADIGMA CO LTD	Automatic sunshade temperature regulating device for solar water heater
CN202267255U U 20120606	CZ20110025222U 20111125	F24J2/46; F24J2/00; F24J2/51	CHANGSHA BOILER PLANT CO LTD	Guide rail installation frame
CN202267256U U 20120606	CZ20120025504U 20120123	F24J2/46	SHANDONG LINUO PARADIGMA CO LTD	Multi-position height adjustable line focusing reflective support device
CN202267257U U 20120606	CZ20120025505U 20120123	F24J2/46; F24J2/30	SHANDONG LINUO PARADIGMA CO LTD	Virtual rotary shaft structure for adjustable line focusing reflective supports
CN202267258U U 20120606	CZ20120025835U 20120328	F24J2/46	QI CHUNMING	Integrated system for collecting/accumulating solar energy for heating water
CN202267259U U 20120606	DE200510007184 20050214; WO2005DE02332 20051228	F24J2/52	SHANDONG LINUO PARADIGMA CO LTD	Novel solar medium and low-temperature heat collection rack pipes
CN202274650U U 20120613	DE200510027799 20050616; WO2006FR50551 20060613	F24H9/20; F24J2/40	SAKURA BATH & KITCHEN PRODUCTS (CHINA) CO LTD.	Forced solar heat storage circulating system and preparation method thereof
CN202274653U U 20120613	DE200610043635 20060918; WO2007DE01677 20070917	F24J2/00; F24J2/34; F24J2/40; F24J2/46	XIAO LIANGWEN	Solar water heating system provided with electric heating pipe
CN202274654U U 20120613	DE200620009871U 20060615; DE200720007976U 20070607; WO2007DE01048 20070611	F24J2/05; F24J2/32; F24J2/46	YU MAOFU	Overheating-preventing heat preservation water tank and manufacture method

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CN202274655U U 20120613	DE200710027402 20070611; WO2008EP04596 20080609	F24J2/05; F24J2/24; F24J2/46	HUIZHOU SHUANGHE NEW ENERGY TECHNOLOGY CO LTD.	Signal device of solar water heater
CN202274656U U 20120613	DE200810007334 20080202; WO2009DE00140 20090130	F24J2/10; G02B7/182	HEFEI ZHONGGUANGCHU NEW ENERGY TECHNOLOGY CO LTD.	Absorber plate core of flat-plate solar collector
CN202274657U U 20120613	DE200810010712 20080221	F24J2/30; F24J2/46	KUNMING HEHAO TECHNOLOGY DEVELOPMENT CO LTD.	Load-bearing anti-freezing solar thermal collector tube
CN202274658U U 20120613	DE200810011547 20080228; WO2008EP06491 20080807	F24J2/34; F24J2/46	XIAO LIANGWEN	Greenhouse-type double-heat-collecting double- heat-preserving solar-energy heat-pump drying device
CN202274659U U 20120613	DE200810052662 20081022; DE200920018534U 20091021	F24J2/34; F24J2/40	ANHUI TULIP NEW ENERGY TECH CO LTD.	Horizontal partition plate solar collector
CN202274660U U 20120613	DE200810063424 20081231; DE200910017741 20090416; WO2009DE01820 20091231	F24J2/40	XIAMEN ELEX ELECTRONICS TECHNOLOGY AND DEVELOPMENT CO LTD.	Overheating-preventing heat preservation water tank provided with energy transferring control device and manufacture method
CN202274661U U 20120613	DE200820011905U 20080909; DE200920008789U 20090626; WO2009EP06546 20090909	F24J2/40	ZHEJIANG CEN NEW ENERGY TECHNOLOGY CO LTD.	Wind power-driven Freel solar energy focusing hot wind device



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CN202274662U U 20120613	DE200910006952 20090130; WO2010EP51181 20100201	F24J2/40	SHAN DONG UNIVERSITY OF SCIENCE AND TECHNOLOGY	Solar-optothermal-groove-type large-opening double-layer parabola high-efficiency collector
CN202274663U U 20120613	DE200910006953 20090130; WO2010EP51134 20100129	F24J2/40; F24D19/10	SHANDONG SEA NADE SOLAR ENERGY CO LTD.	Integral pressure-bearing frost-resisting flat plate solar water heater
CN202274664U U 20120613	DE200910010225 20090223	F24J2/40	ANHUI TULIP NEW ENERGY TECH CO LTD.	Method, product and equipment for collecting light of rough mirror surface of vacuum heat- collecting pipe-cover glass pipe
CN202274665U U 20120613	DE200910018520 20090424; EP20090169409 20090903	F24J2/46	SAINT-GOBAIN GLASS PRANCE	Dirty-resisting type water level sensing device and solar water heater adopting same
CN202274666U U 20120613	DE200910024740 20090612	F24J2/46	JIANGSU GMO HIGH- TECHNOLOGY CO LTD.	Sprayer capable of adjusting temperature
CN202274667U U 20120613	DE200910033490 20090715; WO2010EP58284 20100614	F24J2/46	JIANGSU GMO HIGH- TECHNOLOGY CO LTD.	Integration energy supply system comprehensively utilizing solar energy and air energy
CN202274668U U 20120613	DE200910034144 20090720; WO2010EP03164 20100525	F24J2/46	SAKURA BATH & KITCHEN PRODUCTS (CHINA) CO LTD.	Three-way valve
CN202274669U U 20120613	DE200910035116 20090729; WO2010DE00888 20100729	F24J2/48	HAO LIDONG	Overheating-preventing heat preservation water tank provided with buffer assembly and preparation method

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CN202275860U U 20120613	DE200910035451 20090731; DE200910039136 20090827; WO2010EP04627 20100728	H01L31/058; F24J2/24; F24J2/48; H01L31/052	XINYUANJING PV TECHNOLOGY (LUOYANG) CO LTD.	Blade-type solar energy-air energy collector
CN202281389U U 20120620	DE200910037280 20090812; WO2010EP61131 20100730	F24H9/20; F24J2/40	ZHOU JIAN;CEN LIANG	Internal insertion-tube convection type efficient low-heat-loss solar water heater
CN202281390U U 20120620	DE200910038883 20090826; WO2010EP61689 20100811	F24J2/00; F24J2/46; F24J2/51	YUAN ZHIBEN	Solar hot water generating device for condensing light through secondary reflection parabolic cylinder and collecting light through parabolic cylinder
CN202281391U U 20120620	DE200910045582 20091012; WO2010EP63065 20100907	F24J2/00; F24J2/05; F24J2/24; F24J2/46; F24J2/52	HUANG YONGSHENG	Shoe
CN202281392U U 20120620	DE200910047548 20091204; WO2010EP68640 20101201	F24J2/00; F24J2/46; F24J2/51	TAIZHOU APORL SOLAR TECHNOLOGY CO LTD.	Solar energy collection device
CN202281393U U 20120620	DE200910051766 20091030	F24J2/02; F24J2/52	LIU SHANSHAN	Superconductive pipe
CN202281394U U 20120620	DE200920002134U 20090214; DE200920002133U 20090214; WO2010DE00166 20100213	F24J2/05; F24J2/24; F24J2/46	CHEN YIYANG	Superconductivity aluminium tube
CN202281395U U 20120620	DE200920003661U 20090317; WO2010DE00288 20100316	F24J2/05; F24J2/26; F24J2/46; F24J2/48; F24J2/50; F24J2/51	CHANGZHOU DAILY SOLAR CO LTD.;CHANGZHOU UNIVERSITY	Novel solar-energy dual-purpose straw energy- saving furnace

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CN202281396U U 20120620	DE200920006615U 20090505; WO2010EP56103 20100505	F24J2/05; F24J2/32	ZHUHAI XINGYE GREEN BUILDING TECHNOLOGY CO LTD.;HUNAN SINGYES SOLAR TECHNOLOGY CO LTD.;ZHUHAI SINGYES RENEWABLE ENERGY TECHNOLOGY CO LTD.	Controller for water feeding and heating of solar water heater
CN202281397U U 20120620	DE200920011055U 20090924; DE200910044624 20091123	F24J2/08; F03D9/00; F24J2/38; F24J2/40; F24J2/51	DALIAN MARITIME UNIVERSITY	Hot water system based on solar energy and building integration
CN202281398U U 20120620	DE200920011880U 20090910; DE200920012226U 20090910; WO2010EP63120 20100907	F24J2/24; F24J2/05; F24J2/46	A O SMITH CHINA WATER HEATER CO LTD	Automatic water feed stopping device of solar water heater
CN202281399U U 20120620	DE200920018582U 20091026	F24J2/40; F24H9/20	HE WEIGUANG	Solar thermoelectric lighting device by condensing light through parabolic cylindrical surface and lighting through closed cavity plane
CN202281400U U 20120620	DE200920018632U 20090520	F24J2/40	HAINING SHIDAO SOLAR ENERGY TECHNOLOGY CO LTD.	Internal-condensation metal inner tube type solar energy heat-collecting device
CN202281401U U 20120620	DE201010017269 20100608	F24J2/40	HAINING SHIDAO SOLAR ENERGY TECHNOLOGY CO LTD.	External induction dual-pole water level sensor of special case of solar water heater
CN202281402U U 20120620	DE201010017705 20100702	F24J2/46; F24J2/48; F24J2/50	SHENZHEN HAIDAKE NEW ENERGY MATERIAL CO LTD.	Solar hot-water power generation assembly with parabolic cylinder light concentration and lighting
CN202281403U U 20120620	DE201010019575 20100505	F24J2/46; C25D11/22	SHANGHAI ANOMETAL ALUMINIUM CO LTD.	Double-circulation water heater
CN202281404U U 20120620	DE201010022472 20100602	F24J2/46; F15B21/02	DALIAN WEALLY HYDRAULIC	Solar water heater

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			MANUFACTURING CO LTD.	
CN202281405U U 20120620	DE201010023212 20100609	F24J2/46	FAN MINGHE	Board slot combined solar energy and thermal power station complementary generating system
CN202281406U U 20120620	DE201010023237 20100609	F24J2/46	GAO WEIZHEN	Process for the extraction of hydrocarbons from oil sands and oil shale
CN202281407U U 20120620	DE201010026307 20100706; DE201110105940 20110629	F24J2/46	WANG MINGYI;FANG LIANG	Medium-high temperature solar selective absorbing coating and preparation thereof
CN202281408U U 20120620	DE201010026446 20100708	F24J2/46; F24J2/48	CHANGZHOU DAILY SOLAR CO LTD.;CHANGZHOU UNIVERSITY	Water, thermal and wind motive power generation system
CN202281409U U 20120620	DE201010027063 20100713	F24J2/46; F24J2/48	CHANGZHOU DAILY SOLAR CO LTD.;CHANGZHOU UNIVERSITY	Wind power generation equipment
CN202281410U U 20120620	DE201010027437 20100710	F24J2/51; F03G6/06	XI'AN AVIATION POWER CO LTD.	Water heater powered by solar energy and wind energy at the same time
CN202281411U U 20120620	DE201010027493 20100716; DE201010035348 20100824; DE201110105681 20110622	F24J2/52	MIDEA HOLDING CO LTD	Vacuum superconductivity tube
CN202281480U U 20120620	DE201010027574 20100719	F26B23/00; F24J2/00; F26B15/14	LANZHOU INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES	Solar water heater capable of lighting through parabolic cylinder and light-condensing parabolic cylinder
CN202284818U U 20120627	DE201010029646 20100602	F24D12/02; F24D3/08; F24D19/00; F24D19/10; F24F5/00; F24J2/04	HOU NIANYI	Automatic solar temperature control cover

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CN202284859U U 20120627	DE201010031425 20100716	F24H9/20; F24J2/40	JIANGSU KONING COMFORT HOME SYSTEM INTEGRATION CO LTD.	U-shaped tube with single connector
CN202284861U U 20120627	DE201010031764 20100716	F24J2/46	XU YONGQI	Temperature control method and device for heat collection system
CN202284862U U 20120627	DE201010031869 20100721	F24J2/46	ZHANG ZHENHUA	Automatic water-feeding solar water heater
CN202284863U U 20120627	DE201010031874 20100721	F24J2/46; F24J2/48	CHANGZHOU DAILY SOLAR CO LTD.;CHANGZHOU UNIVERSITY	Solar geothermal device for green house
CN202284864U U 20120627	DE201010031876 20100721	F24J2/48	SHENZHEN HAIDAKE NEW ENERGY MATERIAL CO LTD.	Anti-freezing rank air replenishing device of solar water heater
CN202285378U U 20120627	DE201010032914 20100730	H02N11/00; F24J2/05; F24J2/24; F24J2/46	JIANG YAWEN	Portable solar water fountain
CR20110443 A 20120215	DE201010033702 20100730	B01D17/00; C02F1/14; C02F1/18; F24J2/00	4ELEMENTS INVENT LTD [MT]	DISPOSITIVO TÉRMICO SOLAR PARA PRODUCIR AGUA DULCE
CZ23239U U1 20120125	DE201010034008 20100811	H02N6/00; F24J2/00; H01L31/02; H02J7/00	EEVELA S R O [CZ]	Autonomous energy source
CZ23364U U1 20120215	DE201010034020 20100811	F24J2/52	HESCO [CZ]	Foldable load-supporting structure of solar system
CZ23425U U1 20120229	DE201010034204 20100812	F24J2/46	T W I SPOL S R O [CZ]	Connector, especially for connecting pipe distribution of solar collector absorber to distribution pipe of heat transfer medium
CZ23432U U1 20120229	DE201010034448 20100816	H01L31/042; F24J2/24; F24J2/51; F24J2/52; H01L31/048; H01L31/05; H01L31/058	DAKO BRNO [CZ]; VYZK USTAV STAVEBNICH HMOT A S [CZ]; FEJFAR ANTONIN [CZ]	Photovoltaic panel
CZ23445U U1 20120307	DE201010034834 20100819; DE201110013031 20110304	F24J2/52	SOLARTEC S R O [CZ]	Cladding of surfaces exposed to sun light, especially building roofs

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CZ23554U U1 20120328	DE201010034901 20100818	F24J2/08	LACKO BRANISLAV [CZ]	Solar panel with sandwich design optical concentration
CZ23609U U1 20120411	DE201010034986 20100820	F24J2/12	TALANDA MILAN [CZ]	Reflector for reflective solar collectors, particularly those with point focus
CZ23622U U1 20120411	DE201010035292 20100825	F24J2/00; F24F5/00	VYSOKU UCENI TECHNICKU V BRNE [CZ]	System for heating fresh atmospheric air using heat gains of solar collectors
CZ23715U U1 20120502	DE201010035494 20100825; DE201010045493 20100916	F03D1/04; F24J2/06; H01L31/042	KOVAR VOJTECH [CZ]	Combined device for employing both solar and wind energies
CZ23814U U1 20120530	DE201010035529 20100826	F24J2/24	VYZK STAV STAVEBNICH HMOT [CZ]	Solar collector
DE102010019575 A1 20120119	DE201010035865 20100830; DE201110012727 20110301	F24J2/20; F24J2/46	POMMERSHEIM RAINER [DE]	Solar collector for use in building for heating air and/or water by solar power, has absorber, where flow direction and flow angle of heat carrier medium flow is preset by absorber and aligned in collector surface in position of modules
DE102010026446 A1 20120112	DE201010036305 20100708	F24J2/46; F24J2/50	STANDARD METALLWERKE GMBH [DE]	Solar collector has housing with aperture surface for entrance of light, where absorber surface is absorbed by aperture surface through depressed light
DE102010027437 A1 20120112	DE201010036393 20100714	F24J2/52; E04D13/18	ULRICH SIEGFRIED [DE]	Flexible mounting system for mounting solar module on roof of building, has cap rail including springy tongue that is pressed opposite to module on outer side of vertically standing leg in region of front side of module
DE102010027574 A1 20120119	DE201010036530 20100721	F24J2/14	RICHARTS FRITZ [DE]	Solar heat collector for use in solar-thermal plant, has absorbers absorbing diffuse radiation reflected by mirror surface, where receiver tube is at higher temperature level, and absorbers are in lower temperature level

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DE102010029646 A1 20120412	DE201010036900 20100806	F24J2/54	SCHWERDTNER SVEN [DE]	Apparatus for biaxial orientation of solar modules relative to earth surface, has solar module which is pivoted around two independent and mutually perpendicular pivot axes, where one pivot axis runs horizontally relative to earth surface
DE102010031764 A1 20120119	DE201010037181 20100826	F24J2/00; F03G6/00	PROCON VERMOEGENSVERWAL TUNGS UND BETEILIGUNGSGMBH [DE]	Multi-thermal solar vacuum photovoltaic storage panel for e.g. heating building, has high-transparent vacuum cover provided as flat shaped tube for roofing and external insulation of underlaid expanded polystyrene insulator
DE102010031869 A1 20120126	DE201010037500 20100913	F24J2/04; F24J2/40	SMITKA ROLF [DE]	Solar collector for solar thermal application of solar energy, comprises housing, which is arranged in channel for flow of fluid, where channel is connected in inlet and outlet
DE102010031876 A1 20120405	DE201010037831 20100928	F24J2/54; H01L31/04	HEUBLEIN ANDREAS [DE]	System for adjusting four-wheel solar patches and solar modules for solar plants on e.g. flat roofs, has arrangement of modules arranged to position of sun by linear actuators, where load of forces is decentralized on various load points
DE102010032914 A1 20120202	DE201010038649 20100729	F24J2/46	SALZIG MATHIAS [DE]	Surface pane for photovoltaic and solar elements on flat pitched roof, has pane heater for melting snow or ice on photovoltaic and solar elements
DE102010033702 A1 20120202	DE201010038685 20100730	E04B1/34; E04B1/19; E04H5/02; E04H15/34; F24J2/54; H01L31/04; H02J7/35	GRIMM FRIEDRICH [DE]	Solar energy collector box installed at multi-track motorway, has support that is provided with upper node point and lower node point with preset spacing so as to form column-free space
DE102010034008 A1 20120216	DE201010039083 20100809	F24J2/40	OSSADNIK SEBASTIAN [DE]	Method for efficiently using solar heated industrial water in household hot water-tank system for solar thermal system, involves using small heat exchangers and large and small hot water tanks based on solar irradiation

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DE102010034204 A1 20120216	DE201010039813 20100826	G01M99/00; F24J2/40	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Method for thermal qualification of receiver pipe of solar plant in e.g. thermal power plant, involves determining thermal quality of characteristic parameter of receiver pipe from measured values for external and environmental temperature
DE102010034448 A1 20120216	DE201010039838 20100826	F24J2/02	SEIFERT DIETER [DE]	Solar cooker for use in school system, is equipped with reflector for concentration of solar radiation on pot and is equipped with pot holder, which has two axes
DE102010034901 A1 20120223	DE201010039843 20100826	F24J2/48	HELMHOLTZ ZENT B MAT & ENERG [DE]	Solar thermal assembly has substrate, where nano-material has structures of similar sub-wavelength range, and is arranged immediately on light absorbing layer
DE102010035529 A1 20120301	DE201010040124 20100901	F16M13/00; F24J2/52	VINAND UWE [DE]	Solar-fix 24 assembly system for roof-integrated photovoltaic system, has fastening elements that fasten solar modules with seal that seals modules against rain water, where modules are fastened to aluminum sheets
DE102010036393 A1 20120119	DE201010040199 20100903	H01L31/058; F24J2/00	SUNSAIL ENERGY GMBH & CO KG [DE]	Hybrid collector mounted in roof for solar-power generation, has collector module having circular transparent tube in which metallic carrier for heat-transferring is located with heat conducting pipe
DE102010036530 A1 20120126	DE201010040200 20100903	F01K25/00; F03G6/00; F24J2/40	BRECKLING MARTEN [DE]; NICKEL WERNER [DE]	Wärmekraftmaschine zur Umwandlung von Wärmeenergie in mechanische Energie, die zur Erzeugung von Strom benutzt wird, sowie Verfahren zum Betrieb einer solchen Wärmekraftmaschine
DE102010037500 A1 20120315	DE201010040204 20100903	H01L31/058; F24J2/00	GRIMM CLAUS-PETER [DE]	Solar collector for generating electrical and thermal energies, includes photovoltaic module arranged at back side, and absorber tube arranged in absorber plate
DE102010037831 A1 20120329	DE201010040206 20100903	E04D13/18; F16B5/00; F24J2/52; H01L31/05	SFS INTEC HOLDING AG [CH]	Befestigungsvorrichtung an einem Gebäude



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DE102010038649 A1 20120202	DE201010040208 20100903	F24J2/38; G05B19/045	SIEMENS AG [DE]	System for adjusting solar collector, has field-programmable gate array comprising decoder for decoding radio timing signal, where field-programmable gate array is provided with logic elements for logic functions e.g. Ethernet functions
DE102010039083 A1 20120209	DE201010040210 20100903	F16B5/06; E04D13/18; F16M13/00; F24J2/52; H01L31/05	SULFURCELL SOLARTECHNIK GMBH [DE]	Klemmeinrichtung und Solarmoduleinheit
DE102010040199 A1 20120308	DE201010040211 20100903	F24J2/07	SIEMENS AG [DE]	Solarthermischer Durchlaufverdampfer
DE102010040200 A1 20120308	DE201010040214 20100903	F24J2/07	SIEMENS AG [DE]	Solarthermischer Absorber zur Direktverdampfung, insbesondere ein einem Solarturm-Kraftwerk
DE102010040204 A1 20120308	DE201010040216 20100903	F24J2/07; F22B1/00	SIEMENS AG [DE]	Solarthermischer Durchlaufverdampfer
DE102010040206 A1 20120308	DE201010041012 20100920	F24J2/07	SIEMENS AG [DE]	Solarthermischer Absorber zur Direktverdampfung, insbesondere in einem Solarturm-Kraftwerk
DE102010040208 A1 20120308	DE201010041130 20100921	F24J2/07	SIEMENS AG [DE]	Solarthermische Durchlaufverdampfer-Heizfläche mit lokaler Querschnittsverengung an ihrem Eintritt
DE102010040210 A1 20120308	DE201010041161 20100921	F24J2/07	SIEMENS AG [DE]	Verfahren zum Betreiben eines solarbeheizten Durchlaufdampferzeugers sowie solarthermischer Durchlaufdampferzeuger
DE102010040211 A1 20120308	DE201010041460 20100927	F24J2/07	SIEMENS AG [DE]	Solarthermischer Durchlaufdampferzeuger für die Direktverdampfung insbesondere in einem Solarturm-Kraftwerk
DE102010040214 A1 20120308	DE201010041734 20100930	F24J2/07	SIEMENS AG [DE]	Berohrung einer Verdampferheizfläche für Durchlaufdampferzeuger in Solarturm-Kraftwerken mit direkter Verdampfung und Naturumlauf-Charakteristik

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DE102010040216 A1 20120308	DE201010041822 20100930	F24J2/07	SIEMENS AG [DE]	Solarthermischer Druchlaufdampferzeuger mit einem Dampfabscheider und nachgeschaltetem Sternverteiler für Solarturm-Kraftwerke mit direkter Verdampfung
DE102010041130 A1 20120322	DE201010041903 20101004	F24J2/07	SIEMENS AG [DE]	Halterungsvorrichtung zum Haltern von Empfängermodulen für konzentrierte Solarstrahlung in einem solarthermischen Kraftwerk und solarthermisches Kraftwerk
DE102010041161 A1 20120322	DE201010042422 20101013; DE201110001339 20110316	F16B5/06; E04D13/18; F24J2/52; H01L31/05; H01L31/18	OPITZ MARTIN [DE]	Solar module support for mounting solar module on e.g. house, has projecting abutment wall that is projected from support element, to which extending mounting surface is adjoined
DE102010041460 A1 20120119	DE201010043790 20101111	C09K5/00; F03G6/00; F24J2/46	SIEMENS AG [DE]	Wörmtransfermedium, Verwendung dazu und Verfahren zum Betreiben einer solarthermischen Kraftwerksanlage
DE102010041734 A1 20120405	DE201010044188 20101119	F22B1/00; F03G6/00; F24J2/00	SIEMENS AG [DE]	Vorrichtung und Verfahren zur Erzeugen von <sup>3</sup> berhitztem Wasserdampf mittels solarthermisch betriebenen Zwischen <sup>3</sup> berhitzer sowie Verwendung des <sup>3</sup> berhitzten Wasserdampfs
DE102010041822 A1 20120405	DE201010044234 20100902	F24J2/42; E04F13/074; F24D3/14	SGL CARBON SE [DE]	Thermosolares Verkleidungselement
DE102010041903 A1 20120405	DE201010045206 20100913; DE201010050249 20101102	F22B29/06; F03G6/00; F24J2/32	SIEMENS AG [DE]	Durchlaufdampferzeuger mit integriertem Zwischenüberhitzer
DE102010043790 A1 20120516	DE201010045323 20100914	F24J2/38; F24J2/07; F24J2/10; F24J2/54	PPP SONNENKRAFT GMBH [DE]	Heliostat mit zugeordnetem Empfangselement
DE102010045323 A1 20120315	DE201010045354 20100914	F24J2/38	BOSCH GMBH ROBERT [DE]	Vorrichtung und Verfahren zur Steuerung einer solarthermischen Anlage
DE102010045493 A1 20120301	DE201010045498 20100915	E04D13/04; F16S3/04; F24J2/46; H01L31/04	KREUTZER RALPH [DE]	Broaching device for removal of snow and ice from solar system mounted on building roof, has clearing element that is moved to a state at which solar module is closed, so that snow/ice is removed from solar module

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DE102010045498 A1 20120315	DE201010045582 20100916; DE201010034609 20100818	F24J2/46	STANDARD METALLWERKE GMBH [DE]	Fastening unit for connecting two housing parts of solar collector, has fastening legs formed in such manner that fastening legs are form-fittingly and/or force-fittingly connected with housing parts respectively
DE102010045865 A1 20120322	DE201010045865 20100917	F16M13/00; E04D13/18; F16B5/00; F16S1/02; F24J2/52	FUCHS PETER [DE]	Device for use as fastening system for solar modules, has latent cooling unit for reducing efficiency loss with high temperatures by latent ventilation
DE102010046154 A1 20120322	DE201010046154 20100921	F24H1/20; F24J2/00	IVT INSTALLATIONS UND VERBINDUNGSTECHNI K GMBH & CO KG [DE]	Heat reservoir i.e. stratified storage, for heat supply from solar collectors to solar heat exchanger for heating e.g. room, has feed pipes and return pipes with parts, which are provided with thermal insulation and run at reservoir
DE102010046831 A1 20120329	DE201010046376 20100924	F24J2/07	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]; KRAFTANLAGEN MUENCHEN GMBH [DE]	Receiver für Solarenergiegewinnungsanlagen
DE102010047119 A1 20120419	DE201010046831 20100929	F16M13/00; F24J2/52	UWE WIEMANN GMBH & CO KG [DE]	Mounting frame for mounting surface solar panels on horizontal base layer i.e. flat roof constructions, has wind guide plates coupled with one another at abutting edges by locking connection i.e. groove and/or spring connection
DE102010047151 B3 20120308	DE201010046985 20100930	F16M11/08; F16M11/18; F24J2/54	ELL ANDREAS [DE]; ELL ILONA [DE]	Tragkonstruktion für Solarmodule
DE102010047268 A1 20120405	DE201010047119 20101003	G01S3/782; F24J2/38; G01B11/26	BOSCH GMBH ROBERT [DE]	Optischer Winkelsensor
DE102010047289 A1 20120329	DE201010047151 20100930	F24J2/04	FRADO IMMOBILIEN UND BETEILIGUNGSGBR VERTRETUNGSBEREC HTIGTER GESELLSCHAFTER ELMAR DOHMANN [DE]	Solar heat collector assembly has temperature detection unit that acquires temperature of endothermic fluid that is flowed through absorber and comprises connecting section for connection to fluid ports of absorber

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DE102010047290 A1 20120329	DE201010047268 20101001	F24J2/46	FRADO IMMOBILIEN UND BETEILIGUNGSGBR VERTRETUNGSBEREC HTIGTER GESELLSCHAFTER ELMAR DOHMANN [DE]	Solar collector arrangement for use as e.g. facade element in facade of building, has disk element including recess i.e. hole, for single connection between chambers for gas pressure compensation between chambers
DE102010047292 A1 20120329	DE201010047289 20100927	F24J2/46	FRADO IMMOBILIEN UND BETEILIGUNGSGBR VERTRETUNGSBEREC HTIGTER GESELLSCHAFTER ELMAR DOHMANN [DE]	Solar collector assembly has length compensation element that is provided at fluid ports of heat-absorber provided in space between disk elements, so as to compensate for thermally induced dimensional changes of heat-absorber
DE102010048621 A1 20120419	DE201010047290 20100927	B08B1/04; F24J2/46	JAEGER ANTON [DE]	Device for use in system for cleaning object surface of object, particularly solar system, comprises cleaning roller, which is held in rotating manner, and guide aid for facilitating rectilinear movement of cleaning roller
DE102010049229 A1 20120426	DE201010047292 20100927	F16M13/00; E04D13/18	JUWI R & D RES DEV GMBH & CO KG [DE]	Gestell
DE102010049242 A1 20120426	DE201010047739 20101008	F24J2/42	TELEPSKI JAN [CH]	Teildurchlässiger Sonnenkollektor
DE102010049256 A1 20120426	DE201010047986 20101008	F16B5/06; F24J2/52; H01L31/05	STIEBEL ELTRON GMBH & CO KG [DE]	Stabilizing element for photovoltaic module or solar thermal energy module, has fixing unit that is connected to back side of photovoltaic or solar thermal energy module to receive both pressure and tensile force of modules
DE102010050249 A1 20120315	DE201010048621 20101015	F24J2/20; F24J2/00; H01L31/058	MEINDL KOEHLE UMFORM UND SYSTEMTECHNIK GMBH & CO KG [DE]	Carrier module for photovoltaic cell, has base plate whose regions are projected between heat carrier channels in edge area, where edge area of base plate is material-lockingly connected with slab

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DE102010050292 A1 20120503	DE201010049229 20101025	F24J2/02; A47J36/26	SEIFERT DIETER [DE]	Solar cooker used in e.g. home, for e.g. baking of food, has reflector metal sheet that is provided in region of center formed between reflector brackets arranged on two sides of reflector at axle
DE102010050321 A1 20120510	DE201010049242 20101025	F24J2/46; H01L31/05	SAPA GMBH [DE]	Frame for solar module attached to roof, has projecting wall whose thickness is adjusted to the width of groove extended along side portion of frame, such that surface normal of wall is set parallel to surface normal of frame
DE102010050854 A1 20120510	DE201010049256 20101025	F24J2/00; F24J2/10; F24J2/54	DAUER JUERGEN [DE]	Three-dimensional solar power plant has several absorbers/solar modules in which total area of surfaces forms the capture area of module carrier units
DE102010052505 B3 20120301	DE201010050292 20101103	F16B7/04; E04D13/18	VM EDELSTAHLTECHNIK GMBH [DE]	Verbinderelement und Vorrichtung zur Befestigung von Solarmodulen
DE102010052967 A1 20120531	DE201010050321 20101105	F24J2/54	BOSCH GMBH ROBERT [DE]	Vorrichtung und Verfahren zum Bewegen eines beweglichen Teils einer Solaranlage
DE102010053065 A1 20120606	DE201010050506 20101108	F24J2/07	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Solarempfänger
DE102010053902 A1 20120614	DE201010050854 20101109	F24J2/00; F24J2/07; F24J2/46	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Method for continuously performing solar-heated chemical reactions in solar-chemical reactor, involves discharging accumulator into receiver for maintenance of reaction at times in which radiation for performing reactions does not suffice
DE102010054172 A1 20120614	DE201010051468 20101117	F24J2/40; F24J2/46	BAUER MICHAEL [DE]	Method for converting solar energy into heat energy, involves supplying energy extracted from energy conversion system from inner core region of closed energy conversion system using energy-absorbing substance
DE102010054175 A1 20120614	DE201010052103 20101120	E04D13/00; E04D13/18; F24J2/42	WUERTH SOLAR GMBH & CO KG [DE]	Dachhaken, Insbesondere für Tragkonstruktionen

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DE102010054791 A1 20120621	DE201010052505 20101126	H01L31/04; F24J2/38	BOSCH GMBH ROBERT [DE]	Adjusting unit for adjusting displacement of azimuth alignment and elevation of functional module such as photovoltaic module, according to sun, has engine control unit and adjusting motor arranged as a single structural unit
DE102010054980 A1 20120621	DE201010052967 20101130	F16B11/00; F24J2/14	FLABEG HOLDING GMBH [DE]; FRAUNHOFER GES FORSCHUNG [DE]	FIXING SYSTEM FOR CONNECTING TWO COMPONENTS TO EACH OTHER AND METHOD FOR FIXING A MIRROR ELEMENT, IN PARTICULAR FOR A SOLAR COLLECTOR MODULE, TO A SUPPORT FRAME USING SUCH FIXING SYSTEMS
DE102010055450 A1 20120621	DE201010053065 20101201	B65D88/54	LINDE AG [DE]	Storage tank
DE102010060154 A1 20120426	DE201010053902 20101209	F16M11/00; E04D13/18; F24J2/52; H01L31/05	HUHN MICHAEL [DE]; HUNDERTMARK OLAF [DE]; THEISEN HORST [DE]; WIERIG CHRISTOPH [DE]; WIERIG THOMAS [DE]	Modulblock zur Aufnahme eines Photovoltaikmoduls
DE102010060666 A1 20120524	DE201010054172 20101211	F16B5/00; E04D13/18; F16B5/06; F24J2/52; H01L31/05	KREITMAIR GEORG [DE]	System for spaced fastening plate-shaped modules i.e. solar modules, at trapezoid roof, has nut rotating when attracting screw against bore, so that supporting angle pushes away over screw at edge of bore against force applied by fastener
DE102010061312 A1 20120621	DE201010054175 20101210	F24J2/42	BRECKLING MARTEN [DE]; NICKEL WERNER [DE]	Device for using regenerative energy for energy fence, has pipes attached on supporting element and arranged next to each other, and supporting element provided with passage holes, where pipes are passed through passage holes
DE102010062026 A1 20120531	DE201010054238 20101211; DE201110009424 20110126	F16M13/00; F24J2/52; H01L31/05	SOLCOMPANY SOLARENERGIE FUER BAYERN INH JOERG VOLLMER [DE]	Support structure of solar substructure used for assembling solar module installed in e.g. roof of building, has support portion whose height at front end of side leg is less than height at rear end of side leg

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DE102010062367 A1 20120216	DE201010054394 20101207	F24J2/07	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Solarstrahlungsempfängervorrichtung und Verfahren zur solaren Erhitzung von Wärmeträgermedium
DE102010063116 A1 20120621	DE201010054791 20101216	F24J2/07	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Solar radiation receiver device for use in solar thermal power plant for transmission of energy of falling solar radiation into solid particles, has actuator actuating heat carrier medium during rotation of container against direction
DE102010063835 A1 20120628	DE201010054980 20101217	C03C27/02; F24J2/14	SIEMENS AG [DE]	METHOD FOR GENERATING AN ADHESIVE BOND SUPPORTED BY IR RADIATION BETWEEN METAL AND GLASS
DE102011012727 A1 20120301	DE201010055021 20101217	C03B11/08; F24J2/06; G02B5/00	DOCTER OPTICS GMBH [DE]	Solarkonzentrator
DE102011017467 B3 20120315	DE201010055450 20101221	F16M13/00; F24J2/52; H01L31/042	HABDANK PV MONTAGESYSTEME GMBH & CO KG [DE]	Traganordnung für Solarmodule
DE102011105681 A1 20120329	DE201010060091 20101020	F24J2/54; H01L31/04	KREUTZER RUDOLF [DE]	Sun tracking system for solar module utilized in solar plant, has module carriers or support frames pivotally controlled by common cross beam that pivots round pivot axis that is oriented crosswise/vertical to longitudinal extend of beam
DE112008004183T T5 20120315	DE201010060154 20101025	F24J2/44; F24J2/04	MAEKAWA SEISAKUSHO KK [JP]; SHOWA DENKO KK [JP]; SHOWA TANSAN CO [JP]; DOSHISHA [JP]	Solarwärmesammelverfahren und -einrichtung
DE112009001135T T5 20120112	DE201010060666 20101119	H01L31/052	UNIV ARIZONA STATE [US]	Photovoltaischer Generator mit sphärischer Abbildungslinse zur Verwendung mit einem parabolischen Solarreflektor
DE112009002135 A5 20120531	DE201010060812 20101125; DE201110051848 20110714	F24J2/05; F24J2/32	GRAESSER EDMOND [DE]	Solarkollektor, welcher ein Wärmerohr mit Kondensator aufweist

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DE112009002536T T5 20120614	DE201010061312 20101217	F24D17/00; F24D19/10; F24J2/04	TECNICA EN INSTALACIONES DE FLUIDOS S L [ES]	Flexibles solarthermisches System zur Produktion von Warmwasser bis zu hohen Temperaturen
DE112010000368 A5 20120524	DE201010062026 20101126	F24J2/52; E04D13/18; F16M13/00	ENERGIEBAU SOLARSTROMSYSTEM E GMBH [DE]	ROOF SUPPORT FOR THE SYSTEM ASSEMBLY OF SOLAR MODULES
DE112010001911 A5 20120531	DE201010062367 20101202	F24J2/42; H01L31/042	SULFURCELL SOLARTECHNIK GMBH [DE]	Sonnenenergie nutzendes Fassadenelement und eine das Fassadenelement umfassende Fassade sowie Verfahren zur Herstellung einer Fassade
DE202009018534U U1 20120209	DE201010062384 20101203	F16M13/00; E04D13/18; F24J2/52	MICHELBERGER ENERGIETECHNIK GMBH [DE]	Montagesystem
DE202009018582U U1 20120313	DE201010063116 20101215	F24J2/08	TELECOM STV CO LTD [RU]	Linearer Lichtstrahlungskonzentrator
DE202009018632U U1 20120608	DE201010063835 20101222	F24J2/10; H01Q19/10	MUELLERS HORST [DE]	Vorrichtung zur Verwertung oder Aussendung von Energiewellen
DE202009018641U U1 20120523	DE201020008389U 20100827; DE201120000172U 20110125	F16M13/00; F24J2/52; H01L31/05	KERRYJ INVEST PTY LTD [AU]	Befestigungssystem
DE202010008821U U1 20120117	DE201020008439U 20100902	F24J2/52; F16M13/00	TRICK HEINRICH [DE]	Trägervorrichtung für ein Photovoltaik- oder Solarkollektor-Modul
DE202010013154U U1 20120321	DE201020008570U 20100917	F24J2/42	BRECKLING MARTEN [DE]; NICKEL WERNER [DE]	Einrichtung zur Nutzung regenerativer Energie
DE202010014945U U1 20120206	DE201020008821U 20101015	E04D13/18; F16M13/00; F24J2/52; H01L31/05	HOEDTKE MANFRED [DE]; SAVARIS ANDREAS [DE]; SCHMIDT AXEL [DE]	Rahmentragerüst zur Aufnahme und zum Befestigen von Gegenständen auf einem Dach eines Gebäudes
DE202010015433U U1 20120316	DE201020010239U 20100714	F24J2/10	PETROVIC VLADAN [RS]	Sonnenenergie-Konzentriereinheit
DE202010016407U U1 20120313	DE201020010701U 20100727	F16M13/02; E04D13/18; F24J2/52; H01L31/05	SCHLETTER GMBH [DE]	Gestell zum Anordnen eines PV-Moduls auf einem Flachdach



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DE202010017055U U1 20120403	DE201020010858U 20100730; DE201120004146U 20110318	F24J2/46	BOSCH GMBH ROBERT [DE]	Kollektorgehäuse
DE202011001573U U1 20120417	DE201020011576U 20100819	F24J2/20; F24J2/36	KORRMANN VOLKER [DE]	W <sup>3</sup> stenkollektor
DE202011002145U U1 20120502	DE201020012559U 20100911	F24J2/46	BOSCH GMBH ROBERT [DE]	Montagevorrichtung für einen Solarkollektor
DE202011004424U U1 20120626	DE201020013154U 20101217	F24J2/00	REIMANN PETER [DE]	Vorrichtung zum Umwandeln von solarer Strahlungsenergie in elektrischen Strom und/oder Wärme
DE202011052119U U1 20120605	DE201020013976U 20101006	H01L31/042; E04D13/18; F16S3/06; F24J2/46	SCHUECO INT KG [DE]	Modulrahmen für ein Fotovoltaik- oder Solarmodul
DE202011103307U U1 20120109	DE201020014945U 20101104	F24J2/54	IMO HOLDING GMBH [DE]	Vorrichtung zur Drehung einer Trägerstruktur um eine Hauptachse für den Einsatz in einer mit planaren Elementen oder Flächen ausgestatteten Anlage. insbesondere einer Solaranlage
DE202011103511U U1 20120118	DE201020015433U 20101116	F24J2/06	RYLOV JULIY [RU]	Einrichtung zur optischen Konzentration von Solarenergie und ihre Fernübertragung mit einer späteren Umwandlung in andere Energiearten beim Verbraucher
DE202011105259U U1 20120102	DE201020015848U 20101126	F24J2/52; F16M13/00	TRIEMER MICHEL [DE]	Abrutschsicherung für Solar- und Fotovoltaikmodule aus Kunststoff
DE202011106340U U1 20120103	DE201020016407U 20101209	F24J2/16	HINZMANN GERHARD [DE]	Reflektionstisch zur Sonnenenergiegewinnung für schattenseitig gelegenen Wohnungen
DE202011108308U U1 20120227	DE201020017055U 20101224	F24J2/42; F24J2/20	SUNCOL OY [FI]	Baumodul
DE202011108422U U1 20120105	DE201110008637 20110116; DE201220000203U 20120111	F24J2/04	INST SOLARENERGIEFORSC HUNG [DE]	Thermische Solaranlage zur Klimatisierung von Gebäuden mit unabhängigem, dezentralem solarem Verteilnetz

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DE202011108873U U1 20120119	DE201110017467 20110418	F24J2/52; F16M13/00	GREEN FACTORY GMBH [DE]	Vorrichtung zum Befestigen eines Moduls zur Nutzung von Sonnenenergie
DE202011109063U U1 20120202	DE201110103170 20110601; DE201220000843U 20120126	F24J2/46	ZAE BAYERN [DE]	Absorberhalterung mit temperaturunabhängiger Konvektionsunterdrückung für rückseitig foliengedämmte Sonnenkollektoren
DE202011109586U U1 20120130	DE201120001573U 20110114	F24J2/04	INST SOLARENERGIEFORSC HUNG [DE]	Sonnenkollektor mit nach oben angeordneter Glasscheibe, die Wärmestrahlung reduziert abgibt und die im direkten Kontakt zur Absorber-Wärmeübertrager-Kombination steht
DE202011109614U U1 20120202	DE201120002145U 20110131	F24J2/54	MOTECK ELECTRIC CORP [TW]	Sonnennachführungsvorrichtung für Solarpeneele
DE202011109727U U1 20120206	DE201120004424U 20110325	F16B5/07; F16M13/00; F16S3/02; F24J2/52; H01L31/05	LINEA PRONTO [HK]	Anordnung zur Befestigung von Plattenelementen
DE202012000018U U1 20120130	DE201120051876U 20111107; DE201220101184U 20120402	F24J2/46	INSULA FRANCE [FR]	Vorrichtung zur Speicherung von Wärmeenergie für ein verglastes Volumen und Bauwerk, das mit einer solchen Vorrichtung ausgestattet ist
DE202012000203U U1 20120223	DE201120052119U 20111128	F24J2/52; F16M13/00	STEIGER STEFAN [DE]	Tragkonstruktion für Flachmodule, insbesondere für Solarmodule
DE202012000369U U1 20120220	DE201120103307U 20110606	F16M13/00; F24J2/52	ILZHOEFER WERNER [DE]	Photovoltaik-Modul
DE202012000511U U1 20120418	DE201120103511U 20110720	F16M13/00; F24J2/54; H01L31/04; H02N6/00	BIRICH VLADIMIR [DE]	Solaranlage
DE202012000783U U1 20120403	DE201120105259U 20110831	F24J2/42	KAYA KAROLINA [DE]	Fensterkollektor
DE202012000843U U1 20120223	DE201120106340U 20111005	F24J2/10	ERZ DAVID [DE]	Solareinrichtung mit Reflektorvorrichtung und Reflektorvorrichtung
DE202012001495U U1 20120228	DE201120107660U 20111108; DE201220003462U 20120404	F16M13/00; F24J2/52; H01L31/05	BKB PROFILTECHNIK GMBH [DE]	Vorrichtung für die Halterung von Photovoltaikmodulen auf Freiflächen

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DE202012001589U U1 20120615	DE201120108308U 20111125	F24J2/40	SCHWARZ FRITZ [DE]	Thermischer Solarkollektor mit Temperaturbegrenzung
DE202012001759U U1 20120502	DE201120108422U 20111129	F24J2/46	HELD BUECHEL SVEN [DE]	Tritt- und Arbeitsplattform
DE202012002536U U1 20120413	DE201120108873U 20111209	F24J2/20	THEISEN RALF [DE]	Warmluftkollektor mit hohem Wirkungsgrad
DE202012002547U U1 20120417	DE201120109063U 20111214	F16M13/00; E04D13/18; F24J2/52	ILZHOEFER WERNER [DE]	Vorrichtung zum Abstützen von Solarmodulen
DE202012003320U U1 20120509	DE201120109586U 20111224	E04F13/18; E04D3/06; E04D3/32; F24J2/42	RODECA GMBH [DE]	Paneele oder Hohlkammerscheibe mit Einlegeelementen
DE202012003462U U1 20120516	DE201120109727U 20111223	F24J2/54; F16M13/00	MASUR MARKUS [DE]	Linienmechanik zum zweiachsigen Nachführen von Solarflächen
DE202012003492U U1 20120625	DE201220000369U 20120117	F16M13/00; F24J2/52; H01L31/042	HATICON GMBH [DE]	Freilandgestellsystem
DE202012003649U U1 20120427	DE201220000511U 20120118	F16B7/04; F16B1/02; F16M13/00; F16S3/04; F24J2/52	ALTEC SOLARTECHNIK AG [DE]	Vorrichtung zur Befestigung von Flächenkörpern mit Rahmen, insbesondere Photovoltaik- oder thermischen Solarmodulen
DE202012004321U U1 20120618	DE201220000679U 20120124; DE201220002699U 20120315; DE201220003649U 20120411	F24J2/42; A47L1/00; E06B3/66; E06B9/264	MUELLER HANS [DE]	Fenster- und Schutz-System
DE202012005504U U1 20120628	DE201220000783U 20120126	F16M13/00; F24J2/52	P & S PROJEKTENTWICKLUNG SOLARTECHNIK GMBH [DE]	Befestigung von Solarmodulen
DE202012100567U U1 20120316	DE201220001495U 20120214	F24J2/00	WIEGEL GEBAEUDETECHNIK GMBH [DE]	Mobile Vorrichtung zur Warmwasserbereitung
DE202012101184U U1 20120420	DE201220001589U 20120216	F24J2/00	UHLE KARL PETER [DE]	Solardusche
DE202012101302U U1 20120507	DE201220001759U 20120223	F16M13/00; F24J2/54	LEOPOLDSEDER FRANZ [DE]	Nachführbare Photovoltaik Anlage

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DE202012101578U U1 20120521	DE201220002536U 20120310	E04D13/18; F24J2/52	SPANNER GERHARD [DE]	Dachhaken
DE212010000065U U1 20120127	DE201220002547U 20120314	F24J2/02; A47J27/04; F24J2/05	YANG SHI [CN]	Solar-Dampf-Kochgerät
DE212010000122U U1 20120411	DE201220003320U 20120402	F24J2/52; H01L31/042	SAINT GOBAIN [FR]	FIXING DEVICE AND METHOD FOR MOUNTING SOLAR MODULES
DK201000827 A 20120318	DE201220003492U 20120330	F24J2/04	KURT PEDERSEN [DK]	Tvillingrør solenergi-system
DK201070411 A 20120329	DE201220004321U 20120503	F24J2/20	INNOGIE APS [DK]	Fully integrated solar absorber
EP2401448 A1 20120104	DE201220005504U 20120605	E04D1/30; F24J2/04; H01L31/048	ISTITUTO RICERCHE PER LO SVILUPPO ECONOMICO E SOCIALE S R L [IT]	BUILDING COVER ELEMENT WITH AN INTEGRATED ENERGY PRODUCTION DEVICE
EP2401559 A1 20120104	DE201220100567U 20120220	F24J2/07; F24J2/14; F24J2/18; F24J2/34; F24J2/54	WELLE RICHARD [US]	SEGMENTED FRESNEL SOLAR CONCENTRATOR
EP2401560 A2 20120104	DE201220101302U 20120411	F24J2/52	ECOSTAL SPRL [BE]	PHOTOVOLTAIC PANEL SUPPORTING DEVICE
EP2402679 A2 20120104	DE201220101578U 20120427	F24J2/52	ZURMUEHLEN FRANK [DE]; DIWALD PATRIK [DE]	Mounting device for assembling solar modules
EP2404123 A1 20120111	DK20090070099 20090826; WO2010EP62489 20100826	F24J2/40	KNOPF RICHARD MATTHIAS [AT]	TUBULAR ABSORBER ELEMENT FOR SOLAR COLLECTORS
EP2404124 A1 20120111	DK20100000827 20100917	F24J2/40; F24J2/38; F24J2/52	GUILLEMETTE PASCAL [CA]	METHOD AND SYSTEM FOR OPTIMIZING AND PROTECTING SOLAR PANELS
EP2404125 A2 20120111	DK20100070411 20100928	F24J2/50	INOVA LISEC TECHNOLOGIEZENTRU M GMBH [AT]	VACUUM ELEMENT AND METHOD FOR PRODUCING THE SAME
EP2404126 A1 20120111	DK20100070452 20101027	F24J2/52; E04D3/36; E04D13/18; H01L31/042	ISCOM S P A [IT]	MOUNTING SECTION FOR SOLAR PANELS

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EP2404685 A1 20120111	DK20100070453 20101027	B21D53/04; B21D24/00; B21D35/00; F24J2/24	GRAEBENER PRESSENSYSTEME GMBH [DE]	Method for producing solar collectors, in particular absorbers for flat solar collectors
EP2404973 A1 20120111	EP20050380065 20050407	C09K5/08; F24J2/42; F25B27/00; F28D20/00	UNIV THE RYUKYUS [JP]; OSAKA GAS CO LTD [JP]	SOLAR LIGHT (HEAT) ABSORBING MATERIAL, AND HEAT ABSORBER/STORAGE MATERIAL AND SOLAR LIGHT (HEAT) ABSORBER/CONTROL MATERIAL EACH COMPRISING THE SOLAR LIGHT (HEAT) ABSORBING MATERIAL
EP2405212 A1 20120111	EP20070731521 20070125; FR20060000695 20060125	F24J2/24; F03G6/00	mitsubishi heavy ind ltd [JP]	SOLAR HEAT RECEIVER AND SOLAR THERMAL POWER GENERATING SYSTEM
EP2406556 A2 20120118	EP20070747277 20070405; NL20061031544 20060407	F24J2/10	GRIMM FRIEDRICH [DE]	SOLAR COLLECTOR HAVING A LINEARLY FOCUSING REFLECTOR SURFACE
EP2406557 A1 20120118	EP20080015495 20080903	F24J2/34	LEROY SOMER MOTEURS [FR]	SOLAR EQUIPMENT
EP2406558 A1 20120118	EP20090003118 20090304	F24J2/54	GOSSAMER SPACE FRAMES [US]	DRIVE MECHANISM FOR A SOLAR CONCENTRATOR ASSEMBLY
EP2407731 A2 20120118	EP20090004819 20090401	F24J2/26; F24J2/04	POLO S R L [IT]	High efficiency solar collector device
EP2409090 A2 20120125	EP20090008287 20090624; WO2010EP03893 20100624	F24J2/10; F24J2/12; G02B5/10; H01L31/042	SKYLINE SOLAR INC [US]	REFLECTIVE SURFACE FOR SOLAR ENERGY COLLECTOR
EP2409091 A1 20120125	EP20090008599 20090701	F24J2/12	D & D MANUFACTURING [US]	STATIONARY PARABOLIC SOLAR POWER SYSTEM AND RELATED METHODS FOR COLLECTING SOLAR ENERGY
EP2409092 A1 20120125	EP20090153046 20090217	F24J2/38	BUCKLEY B SHAWN [US]	SOLAR ENERGY MODULE
EP2410177 A1 20120125	EP20090380111 20090526	F03G6/06; F01K3/00; F24J2/07; F24J2/10	ABENGOA SOLAR NEW TECH SA [ES]	AIR- AND STEAM-TECHNOLOGY COMBINED SOLAR PLANT

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EP2410190 A1 20120125	EP20090382066 20090508	F16B7/18; F24J2/52	FATH SOLAR GROUP HOLDING GMBH [DE]	Device for fixing an object to a component comprising a bordered opening
EP2410259 A1 20120125	EP20090382082 20090526; WO2010EP57189 20100525	F24J2/52; F16B43/00	SENER ING & SIST [ES]	Alignment system for heliostats
EP2411849 A1 20120201	EP20100008425 20100812; EP20110002710 20110331	G02B1/10; C03C17/00; C03C17/245; C03C17/36; F24J2/10	PPG IND OHIO INC [US]	SOLAR REFLECTING MIRROR HAVING A PROTECTIVE COATING AND METHOD OF MAKING SAME
EP2412033 A2 20120201	EP20100010122 20100922	H01L31/042; F24J2/52; H01L31/048	ENERGIEBUERO AG [CH]	ASSEMBLY FOR FASTENING A PLURALITY OF SOLAR MODULES TO A BUILDING ROOF OR A BUILDING FACADE AND CLIP FOR FORMING A STOP ELEMENT ON A SURFACE
EP2412523 A1 20120201	EP20100012717 20101001	B32B27/08; B29D7/01; B32B7/12; B32B27/30; C08L27/16; C08L33/12; H01L31/048	ARKEMA FRANCE [FR]	Flexible film made of fluorinated polymer
EP2413062 A2 20120201	EP20100014119 20101029	F24J2/36; F24J2/52	FRENER & REIFER METALLBAU GMBH SRL [IT]	Device for generating energy
EP2413064 A2 20120201	EP20100014236 20101103	F24J2/52	ETANCO GMBH [DE]	Fixing device for assemblies on trapezoidal or corrugated sheet roofs or trapezoidal or corrugated sheet facades and fitting screw for same
EP2413446 A2 20120201	EP20100014839 20101122	H02G3/16; F24J2/52; H01L31/048; H01R13/52	TYCO ELECTRONICS SHANGHAI LTD [CN]; TYCO ELECTRONICS HOLDINGS BERMUDA [BM]	Electric connection system applied in solar curtain wall, frame with such electric connection system, and method for using such electric connection system
EP2414642 A2 20120208	EP20100015799 20101218	F01K3/00; F03G6/06; F22B1/00; F24J2/07; F24J2/12; F24J2/54; F28D20/00	SOLAR & ENVIRONMENTAL TECHNOLOGIES CORP [US]	SOLAR ENERGY SYSTEM

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EP2414728 A1 20120208	EP20100075725 20101101	F21V7/04; F24J2/10; G02B6/00; G02B6/42	KONINKL PHILIPS ELECTRONICS NV [NL]	LED COLLIMATION OPTICS MODULE AND LUMINAIRE USING SAME
EP2414743 A2 20120208	EP20100172671 20100812	F24J2/52	SUNPOWER CORP [US]	PHOTOVOLTAIC ARRAY WITH MINIMALLY PENETRATING ROOFTOP SUPPORT SYSTEM
EP2414874 A1 20120208	EP20100175226 20100903	G02B6/00; B60Q1/02; B60Q1/04; F21K99/00; F21S8/10; F21V7/00; F21V13/04; F24J2/06; F24J2/10; G02B17/08; G02B27/09	KONINKL PHILIPS ELECTRONICS NV [NL]	OPTICS DEVICE FOR STAGE LIGHTING
EP2416085 A1 20120208	EP20100176897 20100915	F24J2/06; H01L31/052	SUNCYCLE B V [NL]	Device for converting solar energy
EP2416086 A1 20120208	EP20100185741 20101001	F24J2/10; F24J2/24	MITSUBISHI HEAVY IND LTD [JP]	SUNLIGHT COLLECTING/HEAT-RECEIVING DEVICE
EP2416088 A2 20120208	EP20100185749 20101001	F24J2/52	GIANAZZA ANGELO S P A [IT]	Connection element for support structures for solar panels and structure comprising a plurality of elements
EP2417403 A2 20120215	EP20100185763 20101001	F24J2/10; F24J2/34; F24J2/51	CARDING SPEC CANADA [GB]	SOLAR ENERGY TRANSFER AND STORAGE APPARATUS
EP2417404 A1 20120215	EP20100188790 20101026	F24J2/48	APPLIED NANOSTRUCTURED SOLUTIONS [US]	SOLAR RECEIVER UTILIZING CARBON NANOTUBE INFUSED COATINGS
EP2418436 A1 20120215	EP20100188875 20101026	F24J2/04; F24J2/20; F24J2/34; F24J2/44; F24J2/46	WCC LTD [MT]	Solar heater
EP2418438 A2 20120215	EP20100190113 20101105	F24J2/52	CT SOLAR AG [DE]	Support device for mounting a solar panel and mounting system incorporating same
EP2419634 A2 20120222	EP20100380097 20100723	F03G6/06	ALSTOM TECHNOLOGY LTD [CH]	STEAM POWER PLANT HAVING SOLAR COLLECTORS
EP2419679 A2 20120222	EP20110306556 20111124	F24J2/04; F24J2/46; F24J2/51; F24J2/52	SUMIKA POLYMER COMPOUNDS FRANCE SA [FR]	Moulded insulating collector

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EP2419680 A1 20120222	ES20060000221 20060201	F24J2/10; F24J2/38; F24J2/52; H01L31/0232; H01L31/052; H01L31/058	NORMAN RICHARD [CA]	SYSTEMS FOR COST-EFFECTIVE CONCENTRATION AND UTILIZATION OF SOLAR ENERGY
EP2419681 A2 20120222	ES20080001694P 20080605	F24J2/23	TARAKCIOGLU ISIK [TR]	TEXTILE BASED SOLAR COLLECTOR
EP2419682 A1 20120222	ES20080002876 20081010	F24J2/46	WERNER EXTRUSION SOLUTIONS LLC [US]	STRUT, SYSTEM AND METHOD FOR A SOLAR MIRROR FRAME
EP2420714 A2 20120222	ES20080002896 20081014	F16L25/00; F24J2/46	WITZENMANN GMBH [DE]	Connection device for connecting a corrugated pipe and corresponding connection
EP2420757 A2 20120222	ES20080002897 20081014	F24J2/46; B08B1/00	JAEGER ANTON [DE]	Cleaning device
EP2423620 A2 20120229	ES20080002953 20081020	F24J2/52; F16B25/00; F16B33/02	BB STANZ UND UMFORMTECHNIK GMBH [DE]	Self-screwing screws for fixing solar panels
EP2423621 A2 20120229	ES20080003094 20081030; WO2009ES70118 20090427	F24J2/52	BB STANZ UND UMFORMTECHNIK GMBH [DE]	Profile rail for retaining bracket
EP2423622 A2 20120229	ES20090000067 20090112; WO2010ES00004 20100107	F24J2/52	IBC SOLAR AG [DE]	Device for securing a supporting rail
EP2425188 A2 20120307	ES20090000307 20090204	F24J2/52	SCHLETTER GMBH [DE]	APPARATUS FOR FASTENING A CARRIER RAIL TO A ROOF HOOK
EP2425887 A1 20120307	ES20090000500 20090223	B01D53/14; F24J2/00; F24J3/08; F28D20/00	SIEMENS AG [DE]	Fossil fuel-powered power plant with separating device for carbon dioxide and method for separating carbon dioxide from a waste gas of a fossil fuel-powered power plant
EP2426261 A1 20120307	ES20090000581 20090302	E01H1/08; E01H1/00; F24J2/46	F I M I S SRL [IT]	A vehicle for cleaning inclined surfaces
EP2426431 A2 20120307	ES20090000602 20090304	F24J2/38; G05D3/10; H01L31/042	REIS GROUP HOLDING GMBH & CO KG [DE]	System for tracking solar cell modules depending on the position of the sun



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EP2427701 A2 20120314	ES20090000824 20090326	F24J2/52; F24J2/46; H01L31/042	ECOJOULE S R L [IT]	SUPPORTING SYSTEM IN PARTICULAR FOR PHOTOVOLTAIC MODULES
EP2427920 A2 20120314	ES20090000839 20090305	H01L31/058; F24J2/24; F24J2/46	S I E M S R L [IT]	SOLAR PANEL STRUCTURE AND CORRESPONDING SOLAR PANEL
EP2428999 A1 20120314	ES20090001059 20090423	H01L31/04; F02C1/05; F02C6/00; F03G6/06; F24J2/40	ABENGOA SOLAR NEW TECH SA [ES]	SOLAR RECEIVER WITH NATURAL CIRCULATION FOR GENERATING SATURATED STEAM
EP2430306 A2 20120321	ES20090001188 20090511; WO2010ES00155 20100413	F03G6/00; F01B3/04; F01B25/10; F01K7/00; F01K23/06; F02G1/00; F24J2/54	NEWCOMEN S R L [IT]	INTEGRATED RANKINE-CYCLE MACHINE
EP2430371 A2 20120321	ES20090001418 20090616	F24D19/10; F24D17/00; F24J2/05	YRENEW SOLAR LTD [GB]	SOLAR POWERED INTEGRATED COLLECTOR AND STORAGE APPARATUS
EP2430375 A2 20120321	ES20090001458 20090619; WO2010ES00268 20100618	F24J2/48; C03C17/00; C03C17/23; C03C17/34; C25D9/08; C25D13/02; C25D15/02; F24J2/04; F24J2/05; F24J2/46; F24J2/50	HELMHOLTZ ZENT B MAT & ENERG [DE]	VACUUM COLLECTOR TUBE AND METHOD FOR PRODUCING SAID TYPE OF VACUUM COLLECTOR TUBE
EP2430376 A2 20120321	ES20090001460 20090619; WO2010ES00269 20100618	F24J2/52; F24J2/54; H01L31/042	SCHUECO INT KG [DE]	ASSEMBLY DEVICE FOR INSTALLING SOLAR COLLECTORS, IN PARTICULAR PHOTOVOLTAIC MODULES
EP2430377 A1 20120321	ES20090001978 20091002	F24J2/52; H01L31/042; H01L31/048	F & F VERMOEGENS GBR [DE]	HOLDING AND FASTENING DEVICE
EP2430378 A2 20120321	ES20090030521 20090728; WO2010ES70516 20100726	F24J2/52; H01L31/042	SAINT GOBAIN [FR]	ATTACHMENT DEVICE AND METHOD FOR MOUNTING SOLAR MODULES
EP2430666 A2 20120321	ES20090030522 20090728; WO2010ES70517 20100726	H01L31/042; F24J2/52	HABDANK PV MONTAGESYSTEME GMBH & CO KG [DE]	SUPPORT ARRANGEMENT FOR SOLAR MODULES

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EP2431546 A1 20120321	ES20090030523 20090728	E04B7/14; E04H6/02; F24J2/52; H01L31/042	ISCOM SRL [IT]	Device for fixing panels to suspended cables, and panel fixable with such device
EP2431617 A1 20120321	ES20090030528 20090728; WO2010ES70514 20100726	F16B5/00; F24J2/52; H01L31/042	SCHUECO INT KG [DE]	Assembly system for fixing board-shaped area elements
EP2432029 A1 20120321	ES20090030560U 20091022	H01L31/042; F24J2/46; F24J2/52	LG ELECTRONICS INC [KR]	Photovoltaic module with water drainage
EP2432835 A1 20120328	ES20090030699 20090917	C09C1/24; C09C1/34; C09C3/08; F24J2/48; H01L31/0216	ALANOD ALUMINIUM VEREDLUNG GMBH & CO KG [DE]; HELIOS TOVARNA BARV LAKOV IN UMETNIH SMOL KOLICEVO D O O [SI]	COIL-COATED SPECTRALLY SELECTIVE COATINGS ON COPPER OR ALUMINUM WITH PIGMENTS MODIFIED BY AMINOSILANE
EP2433058 A2 20120328	ES20090030701 20090917	F24J2/12	ALBANESE EMANUELE [IT]	SOLAR COLLECTOR
EP2433059 A2 20120328	ES20090030916 20091027	F24J2/32; F03G6/06; F24J2/34; F24J2/52; F24J2/54; F25B27/00; F25B29/00	SUISSE ELECTRONIQUE MICROTECH [CH]	MINI SOLAR ISLANDS FOR HOUSEHOLD NEEDS
EP2433060 A2 20120328	ES20090031292 20091229	F24J2/34; F24H7/00; F24J2/04	SAINT GOBAIN CERAMICS [US]	THERMAL ENERGY STORAGE APPARATUS
EP2434229 A1 20120328	ES20090031293 20091229	F24J2/52	KIESELBACH SOLAR GMBH [DE]	Roof hook for fitting solar modules on roofs
EP2434230 A2 20120328	ES20100000230 20100225	F24J2/52; F24J2/46; H01L31/042	ENERGY RESOURCES S P A [IT]	Supporting and fixing structure for flat panels or photovoltaic modules in coplanar position, and that allows the water to be drained off
EP2435666 A2 20120404	ES20100000729 20100602	F01D15/00	LEVIATHAN ENERGY HYDROELECTRIC LTD [IL]	HYDROELECTRIC IN-PIPE TURBINE USES
EP2435768 A2 20120404	ES20100000742 20100607	F24J2/52	SCHLETTER GMBH [DE]	APPARATUS FOR FASTENING A MOUNTING RAIL TO A THREADED SHAFT

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EP2436992 A2 20120404	ES2010000817 20100622	F24D11/00; F24J2/34; F28D20/02	BOSCH GMBH ROBERT [DE]	Storage device for a heating system
EP2437000 A1 20120404	ES2010000926 20100719	F24J2/26; F24J2/46	SUNSTRIP AB [SE]	Optical element for solar panels
EP2437001 A1 20120404	ES2010000935 20100720	F24J2/46; A47L1/02; B08B1/00	FACHHOCHSCHULE REGENSBURG [DE]	Service device for cleaning and maintenance of a solar panel arrangement
EP2437002 A1 20120404	ES20100001025 20100805	F24J2/46	SUNSTRIP AB [SE]	Solar panel ventilation arrangement
EP2437003 A1 20120404	ES20100001154 20100908	F24J2/46	SUNSTRIP AB [SE]	Solar panel for glazing system
EP2437004 A1 20120404	ES20100001167 20100906	F24J2/52	UBBINK B V [NL]	Water discharge assembly for a solar panel
EP2438365 A2 20120411	ES20100001207 20100921	F24J2/34; C09K5/06	DEV S [FR]	SOLAR THERMAL COLLECTOR
EP2439409 A1 20120411	ES20100001345 20101020	F03G6/06; F24J2/07	ABENGOA SOLAR NEW TECH SA [ES]	SOLAR CONCENTRATOR PLANT USING NATURAL-DRAUGHT TOWER TECHNOLOGY AND OPERATING METHOD
EP2439462 A1 20120411	ES20100001347 20101020	F24J2/07; F03G6/06; F22G1/06	ABENGOA SOLAR NEW TECH SA [ES]	SUPERHEATED STEAM SOLAR RECEIVER
EP2439463 A2 20120411	ES20100001406 20101103	F24J2/52; H01L31/042	WEMEFA HORST CHRISTOPEIT GMBH [DE]	Fixing device for reversible mounting of board-shaped modules
EP2439464 A2 20120411	ES20100001579 20101215	F24J2/52; E04D13/18	REHAU AG & CO [DE]	Insertion profile for fitting holder profiles for board-shaped modules and multi-section frame comprising same
EP2440856 A2 20120418	ES20100001611 20101223	F24J2/08; G02B3/08; G02B17/06; G02B17/08; H01L31/052	LIGHT PRESCRIPTIONS INNOVATORS [US]	REFLECTIVE FREE-FORM KOHLER CONCENTRATOR
EP2440857 A1 20120418	ES20100030310 20100303	F24J2/14	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]	SOLAR FIELD AND METHOD FOR ASSEMBLING THE SOLAR FIELD
EP2442047 A1 20120418	ES20100030601 20100426	F24J2/24; F02C1/05; F03G6/00; F24J2/10	MITSUBISHI HEAVY IND LTD [JP]	SOLAR HEAT RECEIVER

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EP2442048 A1 20120418	ES20100030802 20100526	F24J2/46; B08B1/04; F24J2/14	ABENGOA SOLAR NEW TECH SA [ES]	CLEANING VEHICLE AND METHOD FOR PARABOLIC TROUGH SOLAR COLLECTORS
EP2442049 A2 20120418	ES20100030829 20100531	F24J2/52	OPITZ MARTIN [DE]	Solar assembly installation system
EP2443290 A1 20120425	ES20100031013 20100630	E03B3/00; F24J2/52; F24J2/54; H01L31/042; H01L31/045; H01L31/048	SUBLEAN GROUP B V [NL]	DEVICE AND METHOD FOR UTILIZING A SURFACE FOR A VARIABLE FUNCTION
EP2443399 A1 20120425	ES20100031040 20100707	F24J2/36; F24J2/20	SOLTECH ENERGY SWEDEN AB [SE]	LIGHT ABSORBING DEVICE
EP2443400 A2 20120425	ES20100031182U 20101125	F24J2/46; F03G6/06	ALVATEC ALKALI VACUUM TECHNOLOGIES GMBH [AT]	GETTER AND GETTER ARRANGEMENT, DEVICE COMPRISING THE SAME, AND METHOD FOR PRODUCING A GETTER
EP2444704 A1 20120425	ES20100031280 20100824	F16L15/00; F16L19/02; F24J2/46; F28F9/26	ROTH MAX [CH]	Pipe coupling
EP2446196 A2 20120502	ES20100031287 20100826	F24D3/04; F24D3/10; F24D11/00; F24D19/00; F24J2/46	VKR HOLDING AS [DK]	METHOD FOR PROVIDING HEAT
EP2446198 A2 20120502	ES20100031430 20100927	F24J2/04; E04D3/35	MAS SRL [IT]	MODULAR PANEL TO MAKE ROOFS OR WALLS, RELATIVE ROOFS OR WALLS AND RELATIVE METHOD
EP2447619 A1 20120502	ES20100031582 20101028	F24J2/07; F24J2/10; F24J2/16; F24J2/38; F24J2/40; F24J2/54; G01S3/786	NOVATEC SOLAR GMBH [DE]	Linear concentrating solar collector and method for reflector tracing in same
EP2447620 A1 20120502	ES20100031812 20101207	F24J2/52	HAFENBAHN GMBH & CO KG [DE]	Device for assembling solar panels and/or heat collectors on a base and a system comprising at least two such devices
EP2447621 A1 20120502	ES20100031843 20101214	F24J2/52	INGBUERO MINTHE [DE]	Stand system for mounting solar modules
EP2449319 A2 20120509	ES20100031929 20101223	F24J2/14; F24J2/12; F24J2/24; F24J2/38; F24J2/52; F24J2/54	THERPHO THERMIQUE PHOTONIQUE [FR]	ADJUSTABLE SOLAR COLLECTOR

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EP2449320 A2 20120509	ES20110000424U 20110428	F24J2/52	MEINHARDT DIRK [DE]	BUILDING ENVELOPE COMPRISING SOLAR COLLAR MODULE(S) AND RESPECTIVE MOUNTING SYSTEM
EP2450548 A1 20120509	ES20110001090U 20111031	F02C1/05; F02C1/00; F03G6/00; F03G6/04; F03G6/06; F24J2/00	MITSUBISHI HEAVY IND LTD [JP]	GAS TURBINE PLANT, HEAT RECEIVER, POWER GENERATING DEVICE, AND SOLAR CONCENTRATING SYSTEM ASSOCIATED WITH SOLAR THERMAL ELECTRIC GENERATION SYSTEM
EP2450644 A1 20120509	ES20110001181 20111026	F24J2/38; F24J2/54	TOMMEI DANIELE [IT]; TOMMEI FABRIZIO [IT]	Portable heliostat
EP2452131 A2 20120516	ES20110001223U 20111220	F24H7/06; F24B1/24; F24H7/04; F24J2/42; F28D20/02	ZIEGLER MAXIMILIAN [AT]	TILE STOVE
EP2452133 A1 20120516	ES20110031050U 20111011	F24J2/00; F24J2/05; F24J2/10; F24J2/24; F24J2/46	NORBERT HARRER [HU]; LASZLO CSONKA [HU]; ZOLTAN CSONKA [HU]	SUN COLLECTOR
EP2452135 A2 20120516	ES20110031225U 20111125	F24J2/46	C D EUROP S R L [IT]	AUTOMATIC CLEANING SYSTEM FOR SOLAR PANEL SURFACES
EP2452235 A1 20120516	ES20110032138 20111229	G05B15/02; G01S3/786; G05D3/10	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]; FRAUNHOFER GES FORSCHUNG [DE]	METHOD FOR ALIGNING THE HELIOSTATS OF A HELIOSTAT FIELD
EP2453073 A1 20120516	ES20120000253U 20120309	E04F10/06; F24J2/54	MEUNIER STEPHANE [FR]	Motorised outdoor blind with photovoltaic power supply
EP2454529 A2 20120523	ES20120000285U 20120306	F24D11/02; F24D19/10	COLIPU AS [DK]	AN ENERGY SYSTEM WITH A HEAT PUMP
EP2455549 A1 20120523	ES20120000320U 20120327	E02D27/42	FMGC [FR]	Concrete foundation including a ballasting assembly
EP2455681 A2 20120523	ES20120000401U 20120504	F24J2/10; G02B5/10; G02B7/183	ABENGOA SOLAR NEW TECH SA [ES]	SYSTEM FOR PRODUCING FACETS FOR HELIOSTATS
EP2455682 A2 20120523	ES20120030125U 20120207	F24J2/32; F24J2/46; F24J2/51	NARVA LICHTQUELLEN GMBH & CO KG [DE]	System for using solar energy

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EP2455683 A2 20120523	ES20120030136U 20120208	F24J2/52	WUERTH SOLAR GMBH & CO KG [DE]	Fixing of panel-shaped elements
EP2455685 A1 20120523	ES20120030369U 20120404	F24J2/54; F24J2/14; F24J2/46	HAWE HYDRAULIK SE [DE]	Electro-hydraulic adjustment device of a solar trough
EP2457031 A2 20120530	ES20120030435U 20120423	F24J2/10; F24J2/18; F24J2/46	CEWA TECHNOLOGIES INC [US]	CALIBRATION SYSTEM FOR SOLAR COLLECTOR INSTALLATION
EP2457033 A1 20120530	FI20100005793 20100712	F24J2/40; H01L31/042	ADVANCED ENERGY IND INC [US]	SYSTEM, METHOD, AND APPARATUS FOR REMOTELY COUPLING PHOTOVOLTAIC ARRAYS
EP2457034 A2 20120530	FR20040004042 20040416	F24J2/52; F24J2/04; H01L31/042; H01L31/048	SOLAR CENTURY HOLDINGS LTD [GB]	SECURING A SOLAR ENERGY COLLECTION DEVICE AS PART OF A WEATHERPROOF ROOF
EP2457035 A1 20120530	FR20090000171 20090115; FR20090000173 20090115; WO2010FR00036 20100115	F24J2/52	ABENGOA SOLAR INC [US]	SOLAR COLLECTOR MODULE
EP2457054 A1 20120530	FR20090051208 20090226; FR20090053864 20090611	F28F9/26; F24J2/26	NORSK HYDRO AS [NO]	HEAT EXCHANGER IN PARTICULAR FOR SOLAR APPLICATIONS, WITH IMPROVED DESIGN
EP2458301 A2 20120530	FR20090052205 20090403	F24J2/52; F24J2/54; H01L31/042	ISFORT FRANK [DE]	Device for attaching at least one solar module to a base
EP2458303 A1 20120530	FR20090053466 20090526; WO2010EP57185 20100525	F24J2/52; F24J2/46	ECOGEELEC [FR]	Device for installing solar panels on a roof and arrangement including said device
EP2458646 A2 20120530	FR20090054464 20090630; WO2010FR51293 20100624	H01L31/048	CARLOD JEROME [FR]	System for building a wall for boxing up a building, using solar panels

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EP2458648 A2 20120530	FR20090055785 20090825; WO2010FR51771 20100825	H01L31/058	SUNSAIL ENERGY GMBH & CO KG [DE]	Hybrid collector
EP2459936 A2 20120606	FR20090056964 20091006; WO2010FR52098 20101005	F24D19/10; F24J2/40	VKR HOLDING AS [DK]	SOLAR APPARATUS WITH AT LEAST TWO SOLAR COLLECTORS WITH DIFFERENT EXPOSURE
EP2459940 A2 20120606	FR20090057204 20091014; WO2010EP65251 20101012	F24J2/26	HERTLER GUENTER [DE]	SOLAR ABSORBER AND METHOD FOR THE PRODUCTION THEREOF, SOLAR COLLECTOR, SOLAR INSTALLATION, RETROFIT KIT, AND METHOD FOR RETROFITTING
EP2461116 A2 20120606	FR20100000772 20100225	F24J2/10; B65D85/48; F24J2/46	ABENGOA SOLAR NEW TECH SA [ES]	SHELVING FOR SAFE TRANSPORTATION OF CONCENTRATION SOLAR PANELS
EP2461118 A1 20120606	FR20100000773 20100225	F24J2/46; E02D27/42; E04G21/18; E04H12/22	ABENGOA SOLAR NEW TECH SA [ES]	FRAME FOR SUPPORTING AND CALIBRATING A PEDESTAL, PREFERABLY FOR A HELIOSTAT
EP2461121 A1 20120606	FR20100002966 20100712	F24J2/54; F24J2/10	ABENGOA SOLAR NEW TECH SA [ES]	SOLAR TRACKER FOR ROTARY HIGH- CONCENTRATION PHOTOVOLTAIC SOLAR MODULES FOR ROOFS AND SOLAR FARMS
EP2462387 A2 20120613	FR20100003367 20100816	F24J2/52; F24J2/46	RENUSOL GMBH [DE]	MOUNTING SYSTEM FOR SOLAR PANELS
EP2463601 A2 20120613	FR20100003514 20100901	F24J2/04; F24J2/20	ENERSEARCH GMBH [DE]	Solar fassade element, solar fassade system
EP2463689 A1 20120613	FR20100003518 20100903	G02B3/00; F24J2/08	EVERPHOTON ENERGY CORP [TW]	LENS AND FABRICATION METHOD THEREOF.
EP2463699 A1 20120613	FR20100003616 20100909	G02B7/198; F24J2/10; F24J2/52	HIMIN SOLAR (SHANGHAI) CO LTD.	SUPPORTING AND SHAPING DEVICE FOR MIRROR OF HELIOSTAT
EP2466225 A1 20120620	FR20100003913 20101001	F24J2/14; F24J2/54	HITACHI PLANT TECHNOLOGIES LTD [JP]	Solar collector and cooperative solar collector system
EP2466226 A2 20120620	FR20100004003 20101011	F24J2/46	VAILLANT GMBH [DE]	Solar collector

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EP2466227 A1 20120620	FR20100004074 20101018	F24J2/52; H01L31/042	HAFENBAHN GMBH & CO KG [DE]	Device for assembling solar panels and/or heat collectors on a base and a method for producing such a device
ES1076025U U 20120130	FR20100004230 20101026	F24J2/52	PRODUCCIONES MITJAVILA S A [ES]	ESTRUCTURA DE FIJACION DE PANELES SOLARES
ES1076418U U 20120305	FR20100004276 20101029	F24J2/00	COMPANIA VALENCIANA DE EN RENOVABLES S A [ES]	SEGUIDOR SOLAR DE CONCENTRACION POR REFRACCION
ES1076466U U 20120312	FR20100004278 20101029	F24J2/00	DE LA RED MANTILLA MIGUEL ANGEL [ES]	PLACA EVAPORADORA SOLAR
ES1076526U U 20120320	FR20100004338 20101104	F24J2/38; F24J2/54	CAIREL GESTION S L [ES]	SEGUIDOR SOLAR MULTIPOSTE
ES1076703U U 20120412	FR20100004435 20101112	F24H4/04; F24J2/00	ENERGY PANEL S L [ES]	SISTEMA TERMICO-TERMODINAMICO CON BOMBA DE CALOR
ES1076741U U 20120423	FR20100004530 20101122	F24J2/26	MARTINEZ JULIA CARLOS EDUARDO [ES]	Absorbedor de metal orientable para colectores solares planos.
ES1076806U U 20120426	FR20100004544 20101123	F24J2/04	FOMENTO SOLAR S L [ES]	PANEL SOLAR TERMICO
ES1076894U U 20120508	FR20100004638 20101129	F03D1/04	ORTEGA CASASNOVAS JULIO [ES]	Electrogenerador termoeólico
ES1076929U U 20120516	FR20100004712 20101203	F24J2/00	ENERGY PANEL S L [ES]	BOMBA DE CALOR TERMODINAMICA COMBINADA CON PANEL SOLAR FOTOVOLTAICO
ES1076931U U 20120516	FR20100004739 20101206	F24J2/04; E04C2/52	SUNCOL OY [FI]	UN MODULO DE CONSTRUCCION
ES1076976U U 20120522	FR20100004785 20101208	F24J2/00	GIL GARCIA JOSE MARIA [ES]	COMPACTO SOLAR TERMICO
ES1077002U U 20120524	FR20100004838 20101213	F24J2/38	ANPHEC BIOLABS SL [ES]	Dispositivo sensor perfeccionado dotado de filtro para seguimiento solar



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ES1077068U U 20120531	FR20100004991 20101221; FR20110051535 20110225	B65D81/34; F24J2/02	REMEDIOS RAMIREZ SOLEDAD [ES]; MESA OTERO MARIA DEL CARMEN [ES]; BAUTISTA PERAL SERGIO [ES]; GARCIA PALACIOS ANTONIO FRANCISCO [ES]	Envase contenedor de alimentos calentable por energía solar
ES1077301U U 20120629	FR20100005097 20101223	F24J2/05	TEJERO GARCIA JOSE TEJERO [ES]	Captador solar térmico de policarbonato transparente
ES2352481 B1 20120103	FR20100053500 20100505	E04D13/18; F24J2/52; H01L31/042	BERBEGAL PASTOR VICENTE [ES]	SISTEMA DE FIJACION DE ESTRUCTURAS PORTA-PLACAS SOLARES A UNA CUBIERTA O TEJADO.
ES2371879 A1 20120111	FR20100055337 20100701	F24J2/10; G02B5/10	UNIV MADRID POLITECNICA [ES]; UNIV MADRID COMPLUTENSE	CONCENTRADOR DE RADIACION HIPERBOLICO PARABOLICO.
ES2372075 A1 20120113	FR20100055469 20100706	F24J2/14; F16C3/02; F24J2/54	ABENGOA SOLAR NEW TECH SA [ES]	ESTRUCTURA PARA COLECTOR SOLAR CILINDRICO.
ES2372104 A1 20120116	FR20100055631 20100709	F24J2/50; F24J2/51	FUNDACION CIDAUT [ES]	CUBIERTA TRANSPARENTE PARA COLECTORES SOLARES TERMICOS.
ES2372188 A1 20120117	FR20100055827 20100719	F24J2/38; F24J2/52	SOLUCIONES ENERGETICAS SA [ES]	DISPOSITIVO DE MONTAJE DE UN PANEL FOTOVOLTAICO EN UN POSTE.
ES2372189 A1 20120117	FR20100055842 20100719	F24J2/38; F24J2/52	SOLUCIONES ENERGETICAS SA [ES]	SEGUIDOR SOLAR.
ES2372191 A1 20120117	FR20100055843 20100719	G01N21/25; F24J2/14; G01J3/02	ABENGOA SOLAR NEW TECH SA [ES]	ESPECTROFOTOMETRO PORTATIL Y METODO DE CARACTERIZACION DE TUBOS DE COLECTORES SOLARES.
ES2372535T T3 20120123	FR20100055991 20100722	B64G1/44; B64G1/42; H01L31/042	SOLAREN CORP [US]; SOLAREN CORP [US]	SISTEMA DE ENERGIA ESPACIAL.
ES2372688 A1 20120125	FR20100056061 20100723	F24J2/52	PROVIF EN RENOVABLES S A [ES]	SEGUIDOR SOLAR PARA TEJADOS DE EDIFICIOS.
ES2372737 A1 20120126	FR20100056064 20100723	F24J2/52	PROVIF EN RENOVABLES S A [ES]	BASTIDOR PARA SEGUIDORES SOLARES.

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ES2372827 A1 20120127	FR20100056222 20100728	F24J2/46; F24J2/14	IBERDROLA INGENIERIA Y CONSTRUCCION S A U [ES]	ESTRUCTURA MEJORADA APLICABLE A COLECTORES DE ENERGIA SOLAR
ES2373302 A1 20120202	FR20100056388 20100802	F24J2/08; F24J2/10	MARTINEZ VAZQUEZ JUAN [ES]	CONCENTRADOR SOLAR.
ES2373506T T3 20120206	FR20100057011 20100903	F24J2/34; F24J2/14; F24J2/54	FIORINI CLAUDIO [IT]	DISPOSITIVO PARA CALENTAR UN FLUIDO POR MEDIO DE ENERGIA SOLAR.
ES2373899 A1 20120210	FR20100057068 20100906	F24J2/46; B66C1/62	ABENGOA SOLAR NEW TECH SA [ES]; ABENGOA SOLAR NEW TECHNOLOGIES [ES]	ESTRUCTURA DE IZADO Y MONTAJE DE HELIOSTATOS Y CARRO DE DESPLAZAMIENTO DE DICHO HELIOSTATO.
ES2374258T T3 20120215	FR20100057138 20100908	F24J2/10; F24J2/16; F24J2/52; H01L31/042; H01L31/052	SOLO SE [DE]	INSTALACION FOTOVOLTAICA CON ELEMENTOS DE REFLEXION.
ES2375006 A1 20120224	FR20100057147 20100909	F24J2/05; F24J2/46	IBERDROLA INGENIERIA Y CONSTRUCCION S A U [ES]	RECEPTOR SOLAR PERFECCIONADO PARA COLECTORES CILINDRO-PARABOLICOS.
ES2375042 A1 20120224	FR20100057166 20100909	F24J2/54; H01L31/042	HIERROS Y APLANACIONES S A HIASA [ES]	SEGUIDOR SOLAR FOTOVOLTAICO.
ES2375120 A1 20120227	FR20100057584 20100921	F24J2/10; F24J2/46	RIOGLASS SOLAR S A [ES]	PROTECCION PARA REFLECTORES DE ENERGIA SOLAR, REFLECTOR DE ENERGIA SOLAR Y METODO DE PROTECCION DE REFLECTORES DE ENERGIA SOLAR.
ES2375146T T3 20120227	FR20100057771 20100927	F24J2/52	CONERGY AG [DE]; MOUNTING SYSTEMS GMBH [DE]	BASTIDOR PARA LA DISPOSICION DE MODULOS SOLARES.
ES2375389 A1 20120229	FR20100058005 20101004	F24J2/07; F03G6/06; F24J2/10; F24J2/18	ABENGOA SOLAR NEW TECH SA [ES]	PLANTA DE CONCENTRACION SOLAR TIPO FRESNEL CON RECONCENTRADOR SECUNDARIO OPTIMIZADO.

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ES2375393 A1 20120229	FR20100058565 20101020	H02G7/00	UNIV LA RIOJA [ES]	DISPOSITIVO DE BALIZA SALVAPAJAROS PARA LINEAS ELECTRICAS GENERADOR DE ENERGIA ELECTRICA RENOVABLE QUE INYECTA DIRECTAMENTE EN EL CABLE QUE LO SOPORTA.
ES2375876 A1 20120307	FR20100058994 20101102	F24J2/54; F24J2/40	ABENGOA SOLAR NEW TECH SA [ES]	SEGUIDOR SOLAR CON CILINDROS OLEOHIDRAULICOS Y METODO DE FUNCIONAMIENTO.
ES2376101 A1 20120309	FR20100059356 20101115	B65D88/34; F24J2/04	JIMENEZ BELINCHON S A [ES]	INSTALACION DE CAPTACION DE ENERGIA SOLAR APLICABLE A BALSAS DE ACUMULACION DE AGUA.
ES2376289T T3 20120312	FR20100059378 20101115	F24J2/14; F24J2/54	HAWE HYDRAULIK SE [DE]	DISPOSITIVO DE SEGUIMIENTO ELECTROHIDRAULICO PARA UN GENERADOR SOLAR.
ES2376871 A1 20120320	FR20100059390 20101116	F24J2/46; A47L1/02	CAVADA GUTIERREZ FRANCISCO JESUS [ES]	SISTEMA INTEGRADO DE LIMPIEZA DE CAPTADORES SOLARES.
ES2377309 A1 20120326	FR20100059540 20101119	F24J2/46; A47L1/00; B08B1/00; E04G23/00	OPTIMIZA SOLAR S L [ES]	DISPOSITIVO PARA LA LIMPIEZA DE SUPERFICIES.
ES2377414 A1 20120327	FR20100059707 20101125	F24J2/04	MIRASOL GIEB ENRIQUE [ES]	CUBIERTA TERMICA DE CAPTACION SOLAR.
ES2377687 A1 20120330	FR20100059803 20101126	E04B1/58; F24J2/52; H01L31/042	PRODUCCIONES MITJAVILA S A [ES]	DISPOSITIVO PARA LA FIJACION DE UN PRIMER PERFIL AL PATIN DE UN PERFIL IPN O IPE.
ES2377759T T3 20120330	FR20100059899 20101130	F16H1/32; F24J2/54	NABTESCO CORP [JP]	SPEED REDUCER AND TRACKING-TYPE SOLAR PHOTOVOLTAIC POWER GENERATION DEVICE
ES2377789 A1 20120402	FR20100060028 20101202; FR20110061014 20111201	H02J15/00; F03G6/06; F24J2/07; F24J2/18; F24J2/34; F28D20/02	IDEAS PROYECTOS E INNOVACIONES S L [ES]	ACUMULADOR ENERGETICO.

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ES2377794 A1 20120402	FR20100060104 20101206	F24J2/36; H01L31/045	EUROP SOLAR EVENTS S L [ES]	EQUIPO AUTONOMO DE GENERACION DE ENERGIA SOLAR FOTOVOLTAICA CON ESTRUCTURA TRANSPORTABLE, PLEGABLE Y DE INCLINACION VARIABLE.
ES2378307 A1 20120411	FR20100060146 20101206	F24J2/52; H01L31/042	VICENTE FERNANDEZ MATIAS [ES]	SOPORTE PARA PLACA SOLAR.
ES2378705 A1 20120417	FR20100060175 20101207	F24J2/20; E04D13/18	MECANICAS DEL PISUERGA S A [ES]	PANEL SOLAR TERMICO PARA CALENTAMIENTO DE AIRE.
ES2378730 A1 20120417	FR20100060523 20101215; FR20110051838 20110307; FR20110058001 20110909	F24J2/54	MECANIZADOS SOLARES S L [ES]	PERFECCIONAMIENTOS EN LA SUSTENTACION DE UN SEGUIDOR SOLAR.
ES2379061 A1 20120420	FR20100060875 20101221	F24J2/14; F24J2/24; F24J2/38; F24J2/46	UNIV CASTILLA LA MANCHA [ES]	CAPTADOR SOLAR TERMICO.
ES2381080 A1 20120523	FR20100061034 20101222	F24J2/52; F24J2/07; F24J2/18; G02B7/183	MITSUI SHIPBUILDING ENG [JP]; DPS BRIDGE WORKS CO LTD	BEAM-DOWN TYPE SOLAR RAY LIGHTING DEVICE
ES2382962 A1 20120615	FR20110000852 20110322	F24J2/46; B08B1/04; F24J2/14	ABENGOA SOLAR S A [ES]; ABENGOA SOLAR NEW TECH SA [ES]	MEJORAS INTRODUCIDAS EN LA PATENTE DE INVENCION P200901410 POR "VEHICULO Y PROCEDIMIENTO DE LIMPIEZA PARA COLECTORES SOLARES DE TECNOLOGIA CILINDRO-PARABOLICA"
ES2382968 A1 20120615	FR20110050539 20110124	F25B39/04; F28F9/26	CLIMETAL S A [ES]	CONDENSADOR PARA APARATOS DE AIRE ACONDICIONADO
ES2383786 A1 20120626	GB20080023555 20081224; WO2009GB51509 20091111	F24J2/18; F24J2/07; F24J2/10	MITSUI SHIPBUILDING ENG [JP]	DISPOSITIVO DE GENERACION DE ENERGIA A PARTIR DE CALOR SOLAR.
FR2962464 A1 20120113	GB20090013376 20090731; WO2010GB51258 20100730	E04D13/18; F24J2/52; H01L31/042	BAZZAZ PAUL [FR]	Device for integrating photovoltaic modules in inclined roof of building, has photovoltaic set that is formed of photovoltaic modules, and hooking elements attaching photovoltaic set on set of

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FR2962524 A1 20120113	GB20090021266 20091204; WO2010GB02178 20101126	F24J2/52; E04D13/04; E04D13/18; H01L31/042	ESF [FR]	Device for supporting covering element i.e. photovoltaic panel, in roof, has rail including draining units for draining water from outside toward interior of longitudinal cavity, where rail is arranged in upper part of device
FR2962796 A1 20120120	GB20090021969 20091216; GB20100018745 20101105; GB20100018744 20101105; WO2010GB02255 20101213	F24J2/52; E04D13/18; H01L31/042	LE TRIANGLE [FR]	Device for fixing photovoltaic modules on sealed roof of e.g. dwelling, has longitudinal gutters arranged parallel to each other, and arranged remote from base surfaces of OMEGA shaped base profile for forming receiving spaces
FR2962797 A1 20120120	GB20100003809 20100308	F24J2/52; E04B1/76; E04D13/18; H01L31/042	TENESOL [FR]	STRUCTURE DE MONTAGE D'UN PANNEAU DE RECUPERATION D'ENERGIE SOLAIRE SUR UN SUPPORT, SYSTEME COMPRENANT UNE TELLE STRUCTURE, INSTALLATION COMPRENANT UN TEL SYSTEME, PROCEDE DE MONTAGE D'UN SYSTEME DE RECUPERATION D'ENERGIE SOLAIRE SUR UN SUPPORT
FR2962798 A1 20120120	GB20100011434 20100707	F24J2/52; E04B1/76; E04D13/18; H01L31/042	TENESOL [FR]	Mounting structure for mounting e.g. photovoltaic panel on frame used to support roof of building, has sealing structure that is arranged such that drainage ducts are in fluid communication with each other
FR2963037 A1 20120127	GB20100013275 20100806	E04D13/18; F24J2/52; H01L31/042	ISOLATECH [FR]; SLEICO [FR]	Thermal insulation integrated photovoltaic roof, has ribbed pans and photovoltaic panels delimiting ventilation space communicating with exterior through gaps formed between panels and openings at periphery of roof slope

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FR2963089 A1 20120127	GB20100014249 20100826	F24J2/52; E04D13/18; H01L31/042	EVASOL [FR]	Structure for maintaining photovoltaic panels in position with respect to frame i.e. roof framing, in cover of building, has lower transverse housing prolonged in outer side by cupping surface prolonged under upper panel
FR2963164 A1 20120127	GB20100014495 20100901	H01L31/058; F24H6/00; F24J2/46	CIE IND D APPLIC THERMIQUES [FR]	DISPOSITIF SOLAIRE HYBRIDE THERMIQUE ET PHOTOVOLTAIQUE ET INSTALLATION COMPRENANT UN TEL DISPOSITIF
FR2963412 A1 20120203	GB20100014499 20100901	F24J2/52; E04B1/74; E04D13/18; H01L31/042	CONFRERE LAURENT [FR]; PEGAZ-BLANC ERIC [FR]; KAYAT FREDDY [FR]	Device for installing e.g. hot water production panel on sheet frame of roof of building, has stand mounted on structure of roof of building to provide gap between structure and point of panel near to structure
FR2963801 A1 20120217	GB20100014717 20100906	E04D3/36; E04D13/18; F24J2/52; H01L31/042	SOLFRAME [FR]	DISPOSITIF MODULAIRE QUI PERMET D'ASSURER LA COUVERTURE D'UNE SURFACE TELLE QUE LA TOITURE D'UN BATIMENT AINSI QUE LA PRODUCTION D'ELECTRICITE
FR2964128 A1 20120302	GB20100014892 20100908	E04D13/18; E04D3/36; F24J2/52; H01L31/042	DOME SOLAR [FR]	Device for fixing photovoltaic panels with sealing membrane in roof, has fastener including assembly of locking pieces for locking sealing membrane, where fastener realizes locking assembly of photovoltaic panels
FR2964129 A1 20120302	GB20100015019 20100909	E04D13/18; E04D3/36; F24J2/52; H01L31/042	DOME SOLAR [FR]	Device for integrating photovoltaic solar panel on low slope roof of building for electric energy production system, has parts that are positioned one on another by sticking of one of parts to nose of spacer
FR2964181 A1 20120302	GB20100015926 20100923	F24J2/20; E04H4/00; E04H4/14; F24J2/52	CALANDRAS JEAN PHILIPPE HENRI [FR]	Solar terrace for solar heating of water in swimming pool, has decking with channels, where decking is arranged to circulate water in swimming pool, and water conveyed by feeding collector and returning collector

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FR2964398 A1 20120309	GB20100016325 20100928	E04D13/18; F24J2/52; H01L31/042	DUNNINGTON LTD [GB]	Solar panels e.g. solar sensors, for use on roof cover of building to collect solar energy, have frame whose sides are provided with striations and grooves to assemble panels by permeation of striations and grooves
FR2964399 A1 20120309	GB20100017141 20101011	E04D13/18; F24J2/52; H01L31/048	ALHENA [FR]	Device for fixing photovoltaic panels on roof of building to produce electric energy from solar radiation, has profiles defining bearing surface for panels that are fastened to profiles by riders in absence of member or additional unit
FR2964401 A1 20120309	GB20100017349 20101014	E04H1/00; E03C1/12; E03D5/00; F03B13/06; F24D3/08; F24D3/18; F24D17/00; F24J2/04	ZHEJIANG JIEER SAVING COAL CO LTD [CN]	Recyclable energy-saving system for building, has capillary turbine-alternator group generating electric energy, where group is formed of hydraulic generators with inflow and outflow pipes connected to upper basin and lower basin
FR2964452 A1 20120309	GB20100017708 20101020	F28D20/00; F24D11/00; F24J2/34	LAGRANGE NORBERT [FR]	Heat recovery slab for constructing e.g. paved outer surfaces of dwelling in civil engineering field, has cohesive layer made of continuous/discontinuous concrete, bitumen coated material or self-supporting paving block, and resting on bed
FR2964680 A1 20120316	GB20100018641 20101105	E04D13/18; F24J2/52; H01L31/042	L & T PARTNERS [CH]	System for assembling photovoltaic modules on framework of roof in dwelling, has intermediate element arranged on folding bar, and fastening element utilized for fixing photovoltaic module on intermediate element
FR2964729 A1 20120316	GB20100020625 20101206	F24J2/02; F24J2/36	CHAUMIEN EDDY [FR]	Inflatable solar oven for in e.g. garden, to cook food by individual, has stability axle connected to cooking chamber that is connected to support to stabilize assembly along central axis, and inflatable balloon opened along central axis

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FR2964730 A1 20120316	GB20100020633 20101206	F24J2/52; E04D13/18; H01L31/042	DSI [FR]	Solar photovoltaic panel for e.g. facade, has base and frame that are constituted of synthesis plastic materials, and flexible film extended on receiving part belonging to base, where base and frame are integrated by welding
FR2965041 A1 20120323	GB20100020634 20101206	F24J2/52; E04D13/18; H01L31/042	GAGNEPARK [FR]	Modular system for use in installation that produces solar energy and covers vehicle parking area in e.g. airport, has support unit fixed on crosspieces and forming wire path extending along rows of solar panels below side edges of panels
FR2965341 A1 20120330	GB20100020933 20101210	F28D20/00; F01K7/16; F24J2/34	AREVA SOLAR INC [US]	Heat energy storage system for use in e.g. power plant, for capturing heat, has heat exchanger exchanging heat between working liquid in overheating amplifier and energy transfer fluid in energy storage device
FR2965671 A1 20120406	GB20100021011 20101211	H01R4/64; F24J2/52; H01L31/042	SUNNCO [FR]	Device for equalizing potential differences in different parts of solar panel assembly assembled on roof of apartment building for producing electric power, has flexible part opposed to relative movement of device with respect to support
FR2965830 A1 20120413	GB20100021215 20101215	E04D3/36; E04D13/18; F24J2/52; H01L31/042	BOG DAN [RO]; CIONTU FLORIN [RO]	System for integration of photovoltaic modules in roof, has photovoltaic modules obtained by fixation of active surface within frame to allow assembly to serve as covering element by combination of frame elements
FR2965901 A1 20120413	GR20100100292 20100518	F24J2/52; E04H5/02; F24J2/04	DIVER MARIUS [FR]	Single flow upwind system for use in thermal plant, has cylindrical tower body composed of assembly formed by lattice wrapped from top to bottom with industrial fabric, where system is stabilized by guy wires or auxiliary structures



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FR2965902 A1 20120413	GR20100100345 20100617	F24J2/52; E04H5/02; F24J2/04	DIVER MARIUS [FR]	Solar chimney for use in solar power plant, has industrial fabric continuously wrapped from top to base of vertical metal structure to ensure continuous passage of air, where chimney is raised by closed structure
FR2966228 A1 20120420	GR20100100346 20100617	F24J2/52; E04D13/18	MARCAIS FREDERIC PAUL FRANCOIS [FR]	Support for installing heat recovery modules on roof to recover heat from solar radiation, has base plate carrying coolant system in inner surface to block coolant system against flange that is placed under roof modules
FR2966566 A1 20120427	GR20100100409 20100721	F24J2/02; A23L3/40; F24J2/52; F26B3/28	PALANQUE DENIS [FR]	Solar food dryer for drying and dehydrating food e.g. fruits, comprises dryer, solar collector, lever hinged on bottom of solar collector and supported on wall of dryer, foot, and wheel sensor, where solar collector is hinged to dryer
FR2966568 A3 20120427	GR20100100470 20100827	F24J2/52	PRODUCCIONES MITJAVILA S A [ES]	Fixing profiles for solar collector, have plate arranged perpendicular to bottom flange, and lower clamping element moving perpendicular to bottom flange, where plate and cover form integrated structure on bottom flange
FR2966853 A1 20120504	GR20100100470 20100827; GR20100100533 20100927	E04D3/36; E04D13/18; F24J2/52; H01L31/042	ENGEO [FR]; BABONNEAU GILLES [FR]	Inclined roof for new building, has cover elements, frame that defines support plane of cover elements, and receiving opening receiving bottom wall of gutter extending below support plane of cover elements
FR2966854 A1 20120504	GR20100100540 20100927	E04D13/08; F24J2/52; H01L31/042	3I PLUS [FR]	Supporting section for photovoltaic panel in roof of building, has top wall with thickness portion that extends between side walls such that screws are fixed either in middle axis or are laterally offset with respect to middle axis

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FR2966917 A1 20120504	GR20100100551 20100930	F24J2/38; F24J2/54	AXIOSUN [FR]	Solar panel for converting solar energy into e.g. heat energy, has sun tracker comprising axle whose average angular rotating speed, between two half-yearly inversions of rotating direction, is comprised between specific degree per day
FR2967433 A1 20120518	GR20100100553 20100930	E04D13/18; F24J2/52; H01L31/042	HARMONY AIR CONDITIONING [FR]	Device for fixing photovoltaic panels on carcass of roof of house, has locking elements mounted on fixation frames and associated with sealing elements that assure sealing between photovoltaic panels received by housings of frames
FR2967481 A1 20120518	GR20100100580 20101011	F24J2/32; E04H17/14; F24J2/46	FENG TECHNOLOGIES FENGTECH [FR]	Enclosure element for use in post planted in ground, has safety unit including vertical bars, which are spaced from one another, and closing system including shutter, and drive unit to lower or raise rolling shutter along heat pipes
FR2967482 A1 20120518	GR20100100608 20101022	F24J2/54; F24J2/02; F24J2/38	AZEMA ANDRE [FR]	Mechanism for observing solar path to allow guiding of parabola for solar cooker to view solar water heater, has arm and shaft articulated at point, where articulation axis is orthogonal to axis of arm and shaft
FR2967704 A1 20120525	GR20100100635 20101104	E04D13/18; F24J2/52; H01L31/042	ABCD INTERNAT [FR]	Solar panels integration device for roof of building, has two parallel rails including fixing grooves delimited by two lateral vertical walls, where fixing grooves fix ends of sleepers on rails
FR2968069 A1 20120601	GR20100100636 20101104	F24J2/52; E04D13/18	3I PLUS [FR]	Fastener assembly for securing photovoltaic solar panel on building roof, has connecting element comprising passage that is accessible on side where flange is provided for engaging slide in slot through passage
FR2968070 A1 20120601	GR20100100647 20101112	F24J2/52; B63B35/00; H01L31/048	ACTIVE INNOVATION MAN [FR]	PANNEAU SOLAIRE FLOTTANT ET INSTALLATION SOLAIRE CONSTITUEE D'UN ASSEMBLAGE DE TELS PANNEAUX.

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FR2968322 A1 20120608	HR20120000079 20120124	E04D13/18; F24J2/52; H01L31/042	VOLTEN [FR]	Support device for supporting photovoltaic panel to be fixed using battens, on roof, has support units including wing on sides of device positioned apart from extending in space between longitudinal chutes
FR2968323 A1 20120608	HRP20100441 20100806	E04D13/18; E04D13/04; F24J2/52; H01L31/042	GREEN HIGH TECH ENERGY [FR]	Kit for fixing photovoltaic panels in photovoltaic installation on roof of closed and covered building, has base section including central gutter for flow on core, where side and central gutters are bordered with sealing units
FR2968347 A1 20120608	HRP20100642 20101124	E05F15/14; E06B9/02; E06B9/24; F24J2/00	NOVAL [FR]	DISPOSITIF D'OCCULTATION COULISSANT AUTOTRACTE
FR2968376 A1 20120608	HU20100000111U 20100513	F16J15/10; E04B1/66; F24J2/52; H01L31/042	AUVERSUN [FR]	Joint assembly for ensuring sealing between frames of photovoltaic panels on roof, has joint sealed to water and non-sealed to air, where joint and another joint are equipped with active parts adapted to be deformed by crushing
FR2968386 A1 20120608	HU20100000627 20101122	F24J2/52; H01L31/042	CIEL ET TERRE [FR]	Floating photovoltaic system for covering entire or portion of basin to attract basin obtained from exploitation of quarries, has floating devices supporting photovoltaic panels and integrated with cables
FR2968387 A1 20120608	HU20100000641 20101130	F24J2/52; H01L31/042	YERMAKOFF MICHEL [FR]	Sealed structure for cover surface of photovoltaic panels on roof framework, has crosspiece comprising section with rectangular body that is bordered on each side by upper wing and lower wing for supporting against edge of intermediate wing
FR2969190 A1 20120622	IE20090000334 20090427; WO2010IE00031 20100427	E04D13/18; F24J2/52; H01L31/042	SPS POSE SOLEIL [FR]	Element e.g. tiles, for covering inclined roof in building, has median rails formed between channels, and edge rails formed in outer edge of panel side of interlocking elements, where panel side cooperates with overlapping side of elements

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FR2969260 A1 20120622	IE20090000335 20090427; WO2010IE00030 20100427	F24H1/18; F24J2/04	THOMERE FINANCE [FR]	SYSTEME DE PRODUCTION D'EAU CHAUDE SANITAIRE A L'AIDE DE CAPTEURS SOLAIRES THERMIQUES A EAU, DANS LEQUEL UN MEME CIRCUIT MET EN RELATION UN BALLON D'EAU CHAUDE ET LES CAPTEURS.
FR2969261 A1 20120622	IE20090000637 20090821; WO2010IE00050 20100817	F24J2/52	DOLDER MAX [FR]; GIBERT ANICK [FR]	DISPOSITIF DE STRUCTURE PORTEUSE DE PANNEAU DE CAPTATION SOLAIRE.
FR2969743 A1 20120629	IE20100000588 20100917	F24J2/52	KOGYS [FR]	Connecting element i.e. extension for frame to support solar panels on roof of building, has support rails fixed perpendicularly against longitudinal axis of rafters, and base secured to slide that is attached to rafters
FR2969744 A1 20120629	IL20100210075 20101216	F24J2/52; H01L31/042	VINCENT IND [FR]	Fastener for fastening photovoltaic panel on rail of installation structure, has upper and lower slots whose height decreases from one side of plane perpendicular to plate to another side of plane when measured parallel to another plane
GB2481821 A 20120111	IN2010MU00951 20100330; IN2009MU01545 20090701; WO2010IN00419 20100618	F24J2/04; F24J2/20; F24J2/24	STRIGNER ANDREW WILLIAM [GB]	Solar fluid heating apparatus
GB2482205 A 20120125	IN2010MU02795 20101207	F24J2/34; F24J2/02; F24J2/24; H01L31/048	SOLORNO LTD [GB]	Solar energy collector device with thermal energy storage
GB2482553 A 20120208	IT2006BS00204 20061129	F24J2/10; F24J2/24	BOALER SIMON [GB]	Solar collector comprising a reflector
GB2482650 A 20120215	IT2007FO00006U 20070803; WO2008IB53095 20080801	F24J2/04; E04B1/74; E04C2/52; E04F13/08	BAILEY SAMUEL GERARD [GB]	Exterior cladding panels with climate control
GB2483093 A 20120229	IT2008MI01245 20080709	F24J2/18; H01L31/052	LOCKLEY PETER	Solar concentrator with orthogonal linear

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			ERNEST [GB]	reflectors
GB2483252 A 20120307	IT2009PD00120 20090506; WO2010EP56121 20100505	F24J2/04; E04D1/36; E04D12/00; F24J2/52; H01L31/042	SOLAR CENTURY HOLDINGS LTD [GB]	Roof comprising solar energy collection devices
GB2483457 A 20120314	IT2009UD00115 20090609; WO2010IB01394 20100609	E04D1/30; E04D1/18; F24J2/04; F24J2/24	BULLIVANT ROGER ALFRED [GB]	Roof structure for collecting solar energy for heat exchange.
GB2483487 A 20120314	IT2009UD00121 20090625; WO2010IB01526 20100624	H01L31/042; F24J2/52; H01L31/048	CEL F SOLAR SYSTEMS LTD [GB]	A solar panel mounting anchor adapted for a flat roof
GB2483770 A 20120321	IT2009VI00122 20090528; WO2010IT00233 20100527	F24J2/46; F24J2/05; F24J2/32	KINGSPAN HOLDINGS IRL LTD [IE]	Solar collector comprising an end fitting
GB2483882 A 20120328	IT2010AN00047U 20100712	H01L31/058; F24J2/04; F24J2/10; F24J2/24; F24J2/50; H01L31/052	GILBERT STEPHEN GEOFFREY COLWELL [GB]	Hybrid solar heating module comprising photovoltaic cells
GB2484518 A 20120418	IT2010AN00155 20100924	F24J2/04; H01L31/048; H01L31/058	SYLVESTER PHILLIP JAMES [GB]	Solar collector system comprising overlapping collector panels forming a roof structure
GB2484824 A 20120425	IT2010AN00206 20101130	E06B3/70; E06B3/50; F24D3/00; F24D3/14; F24D17/00; F24J2/24	GARAGE DOOR HEAT STORE LTD [GB]	A cover for a garage door including thermal heating pipes
GB2485118 A 20120502	IT2010BO00071U 20100712	D01F8/00; A41D31/00; B64C1/40; D01F8/06; E04D5/02; F24J2/10; G02B5/08; G02B6/02; G02F1/19	PHOTONIC DESIGNS LTD [GB]	Solar reflective fibre
GB2485193 A 20120509	IT2010BO00541 20100906	F24J2/52; E04H1/12; F24J2/04	PATTERSON STEEL PRODUCTS LTD [GB]	Solar energy collection apparatus
GB2485332 A 20120516	IT2010BO00544 20100907	F24J2/06; F24J2/08	GM INNOVATIONS LTD [GB]	Energy capture device

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GB2486205 A 20120613	IT2010BZ00034 20100913	F24J2/07	ALSTOM TECHNOLOGY LTD [CH]	Solar receiver comprising a flow channel presenting a uniform cross sectional area
GB2486209 A 20120613	IT2010MI00659 20100419	F24J2/07	ALSTOM TECHNOLOGY LTD [CH]	Solar receiver comprising a flow channel for a pressurised working fluid
GB2486210 A 20120613	IT2010MI01414 20100729	F24J2/07	ALSTOM TECHNOLOGY LTD [CH]	Solar receiver comprising an aperture admitting radiation into a cylindrical cavity
GB2486263 A 20120613	IT2010MI01484 20100804	E03B3/02; F24J2/42	THOMSON WENDY [GB]	Apparatus for collecting solar energy and rainwater
GB2486409 A 20120620	IT2010MI01519 20100806	F24J2/54; F24J2/10; H01L31/042	MORRIS JONATHAN MARK [GB]	Rotating solar collection apparatus comprising a support
GB2486636 A 20120627	IT2010MI01847 20101008	F24J2/02; E04H13/00; F24J2/10; F24J2/13; F24J2/54; H01L31/052	MORRIS JONATHAN MARK [GB]	Loading platform for a spherical solar collection apparatus
GR1007501 B 20120112	IT2010MI01924 20101021	F24J2/54	PATTAS KONSTANTINOS NIKOLAOU [GR]	SYSTEM FOR THE SUSPENSION AND ORIENTATION OF PHOTOVOLTAIC PANELS IN A PHOTOVOLTAIC PARK.
GR1007587 B 20120502	IT2010MI02230 20101202	F24J2/46	XYLINAKIS DIMITRIOS EMMANOUIL [GR]	SOLAR THERMAL SYSTEM ENCASED INSIDE A PARALLELEPIPED-LIKE FRAME
GR20100100292 A 20120117	IT2010PC00018 20100901	F24J2/46; F24D3/10	KIOPELIS IORDANIS EMMANOUIL [GR]	SOLAR GEYSER'S EXPANSION VESSEL DEVOID OF SEPARATION MEMBRANE
GR20100100345 A 20120131	IT2010RM00203 20100429	E06B9/386; F24J2/04; F24J2/40	TZOUVADAKIS IOANNIS EMMANOUIL [GR]; KEFALAS VASILEIOS ANTONIOU [GR]	TRANSPORTABLE SHADING EQUIPMENT HAVING THE FORM OF HORIZONTAL LOUVERS AND BEING ABLE TO PRODUCE HOT AIR WHEN EXPOSED TO THE SUN
GR20100100346 A 20120131	IT2010RM00550 20101015	E04B1/78; E04B1/76; F24J2/04; H01L31/052	TZOUVADAKIS IOANNIS EMMANOUIL [GR]; KEFALAS VASILEIOS ANTONIOU [GR]	ENERGY-SAVING AND SOUND-INSULATING BUILDING ELEMENT PRACTICABLE FOR THE COATING OF BUILDING FACADES
GR20100100470 A 20120322	IT2010RM00597 20101116	F24J2/10; F24J2/14	KOURTIS GEORGIOS APOSTOLOU [GR]; ANTIGKIOUZEL MARIA IORDANI [GR]	SYSTEM FOR THE RECEPTION REFLECTION CONCENTRATION AND ABSORPTION OF SOLAR RADIATION.

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GR20100100540 A 20120430	IT2010RM00625 20101202	E04C3/04; E04B7/04	TZORTZIS KATA POSOSTOI 65 DIMITRIOS NEOPTOLEMOU [GR]; TZORTZIS KATA POSOSTO 35 ANTONIOS NEOPTOLEMOU [GR]	PURLIN MADE OF A CONFIGURATED LAMELLA FEATURING A MULTIFORM SHAPE OF CLOSED CROSS-SECTION
GR20100100551 A 20120430	IT2010TO00178U 20101119	F24J2/52	AFOI D LOULOU EPE [GR]	MECHANICAL SOLAR TRACKER
GR20100100580 A 20120518	IT2010UD00160 20100827	F03G6/04; F24J2/07	PAPAGEORGIU CHRISTOS DIMITRIOU [GR]	SOLAR COLLECTOR FOR DESERT-BASED SUSPENDED SOLAR CHIMNEYS
GR20100100608 A 20120518	IT2010VI00296 20101109	F24J2/38; F24J2/54	SIAXABANIS NIKOLAOS SERAFEIM [GR]; PAPAKONSTANTINO GEORGIOS KONSTANTINO U [GR]	TWO-AXLE MOVING METAL CARRIER FOR PHOTOVOLTAIC ELEMENTS
GR20100100636 A 20120614	JP20070030532 20070209; WO2008JP52157 20080208	F24J2/24; F24J2/46	XYLINAKIS DIMITRIOS EMMANOUIL [GR]	SOLAR HEAT COLLECTOR FURNISHED WITH HYPERELLIPTIC WATER PIPE NETWORK
GR20100100647 A 20120614	JP20070284569 20071031; WO2008JP69727 20081030	F24J2/52; H01L31/042	LOVERDOS- STELAKATOS KONSTANTINOS KONSTANTINO U [GR]	PHOTOVOLTAIC ELEMENTS INCORPORATED TO A TRNSLUCENT MEMBRANE
HRP20100441 A2 20120229	JP20080041941 20080222; WO2008JP73869 20081227	F24J2/04	ZIDAR HRVOJE [HR]	SQUARE SOLAR BOILER
HRP20100642 A2 20120531	JP20090099980 20090416; WO2010JP56835 20100416	F24J2/20	ZELJKO PERISA [HR]	SOLAR POLYCARBONATE PANEL AND METHOD FOR CONSTRUCTION

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HRP20120079T T1 20120229	JP20090163385 20090710; WO2010JP61628 20100708	F24J2/24; F24J2/46	KIOTO CLEAR ENERGY AG [AT]	CLOSING CAP
HU1000627 A2 20120529	JP20090192671 20090824; WO2010JP64176 20100823	F24J2/00; F24J2/05	CZINKOTA IMRE DR [HU]; TOLNER LASZLO DR [HU]; CZINKOTA GYOERGY [HU]	PHOTOCATHOD VACUUM TUBE SOLAR COLLECTOR
HU4095U U 20120228	JP20090218406 20090924	F24J2/00; F24J2/46; F24J3/06	KOVACS JENOE [HU]	SOLAR ENERGY COLLECTOR
IL181736 A 20120131	JP20090254900 20091106; WO2010JP69708 20101105		NIKOLAUS JOHANNES LAING [DE]	FLOATING SOLAR PLATFORM
IL195802 A 20120131	JP20090291637 20091224; WO2010JP67358 20101004		HATICON GMBH [DE]; GENSCHOREK GIDO; BARTELT-MUSZYNSKI SVEN	MOUNTING SYSTEM, IN PARTICULAR FOR SOLAR MODULES
ITAN20100206 A1 20120531	JP20100104986 20100430		ARISTON THERMO SPA	GIUNTO ANGOLARE PER COLLETTORE SOLARE.
ITMI20101924 A1 20120422	JP20100104987 20100430		VENTURY DI ACHILLE GRIGNANI	RISCALDATORE SOLARE IN KIT COMPONIBILE DI TELAIO E PLURALIT <sup>L</sup> DI SPECCHI PIANI SINGOLARMENTE ORIENTABILI VERSO UN SUPPORTO PER UN OGGETTO DA RISCALDARE
ITMI20102230 A1 20120603	JP20100114035 20100518; JP20110043825 20110301		POLO S R L [IT]	INFRASTRUTTURA DOTATA DI PANNELLI SOLARI
ITRM20100550 A1 20120416	JP20100115183 20100519; JP20110016989 20110128		ENEL INGEGNERIA E INNOVAZIONE S P A [IT]; MAGALDI IND SRL [IT]	DISPOSITIVO, IMPIANTO E METODO AD ALTO LIVELLO DI EFFICIENZA ENERGETICA PER L'ACCUMULO E L'IMPIEGO DI ENERGIA TERMICA DI ORIGINE SOLARE.



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ITRM20100597 A1 20120517	JP20100134630 20100614		SOLERGY INC [US]	ASSEMBLY FOR CONVERTING SOLAR RADIATION INTO ELECTRIC AND/OR THERMAL ENERGY
ITRM20100625 A1 20120603	JP20100134918 20100614		SOLERGY INC [US]	SISTEMA OTTICO CON LENTI ASFERICHE DI GRANDI DIMENSIONI PER LA GENERAZIONE DI ENERGIA ELETTRICA PER VIA FOTOVOLTAICA
ITTO20100178U U1 20120520	JP20100135939 20100615		RUFFA GIAN LUCA [IT]; VAUDANO MASSIMO [IT]	Device for anchoring solar panels on building coverings
ITVI20100296 A1 20120510	JP20100138468 20100617		CBF ENGINEERING S R L	COLLETORE FOTOVOLTAICO
JP2012002362 A 20120105	JP20100140870 20100621	F24J2/24; F24J2/00; F24J2/46	TAISEI CORP	HEAT RECOVERY SYSTEM
JP2012002371 A 20120105	JP20100141312 20100622	F24J2/24; F24J2/32	TAISEI CORP	HEAT ABSORPTION AND RADIATION SYSTEM
JP2012002442 A 20120105	JP20100141366 20100622; JP20110007640 20110118	F24H1/00; F24J2/40	RINNAI KK	SOLAR HEAT HOT WATER SUPPLY SYSTEM
JP2012002484 A 20120105	JP20100142935 20100623	F24J2/24	DAIWA HOUSE IND	SOLAR HEAT COLLECTION PANEL STRUCTURE
JP2012002493 A 20120105	JP20100144816 20100625	F24J2/24; F24J2/32	FURUKAWA ELECTRIC CO LTD	WATER HEATER USING SOLAR HEAT
JP2012002494 A 20120105	JP20100145555 20100625	F24J2/42; F24J2/18; F28D20/00; F28F21/04	MITAKA KOKI KK [JP]	SOLAR HEAT TYPE AIR HEATING DEVICE
JP2012002907 A 20120105	JP20100147925 20100629	G02B5/08; F24J2/10; H01L31/042	KONICA MINOLTA OPTO INC [JP]	SUNLIGHT REFLECTION MIRROR, FILM MIRROR AND ITS MANUFACTURING METHOD
JP2012007396 A 20120112	JP20100148106 20100629	E04D13/18; F24J2/00; F24J2/46; F24J2/52; H01L31/042	NORITZ CORP	FUNCTION PANEL AND FUNCTION PANEL MOUNTING MEMBER
JP2012007420 A 20120112	JP20100151753 20100702	E04D13/18; F24J2/16; F24J2/50	LIC CO LTD	SOLAR HEAT ABSORPTION PANEL AND ROOF STRUCTURE FOR BUILDING
JP2012007787 A 20120112	JP20100153120 20100705	F24J2/24; F24J2/30; F24J2/48	NAKAUCHI SHUNSAKU	VACUUM FLAT-PLATE TYPE SOLAR HEAT COLLECTOR

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JP2012008166 A 20120112	JP20100153376 20100705	G02B5/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	FILM MIRROR FOR SOLAR THERMAL POWER GENERATION, METHOD FOR MANUFACTURING FILM MIRROR FOR SOLAR THERMAL POWER GENERATION, AND REFLECTOR FOR SOLAR THERMAL POWER GENERATION
JP2012013345 A 20120119	JP20100157836 20100712	F24J2/34; F24H1/00; F24H7/02; H01L31/042	PANASONIC CORP	SOLAR ENERGY UTILIZATION SYSTEM WITH HEAT STORAGE FUNCTION
JP2012013393 A 20120119	JP20100159858 20100714	F24H1/00; C02F1/02; F24J2/30; F24J2/42	GASTAR CORP	SOLAR HEAT USE HEAT SOURCE DEVICE
JP2012013798 A 20120119	JP20100162733 20100720	G02B5/13; F24J2/08; F24J2/14	NIPPON KOGAKU KK [JP]	THERMAL ENERGY RECOVERY DEVICE
JP2012015190 A 20120119	JP20100167890 20100727	H01L31/04; F24J2/00	HITACHI LTD [JP]	SOLAR CELL MODULE, HYBRID MODULE, AND SOLAR ENERGY UTILIZATION SYSTEM USING THE SAME
JP2012021409 A 20120202	JP20100176337 20100805	F03G6/00; F02C1/05; F24J2/10	mitsubishi heavy ind LTD [JP]	SOLAR HEAT RECEIVER AND SOLAR HEAT POWER GENERATOR
JP2012026591 A 20120209	JP20100177396 20100806	F24J2/42; F24J2/06	TSUDA MASARU	MULTISTAGE-CONNECTED FOCUSING SOLAR-WATER-HEATER
JP2012026685 A 20120209	JP20100182857 20100818	F24J2/42; F24F1/58; F24H1/00	SEKIGUCHI HIROYA	FAN AND SOLAR WATER HEATER WITH HEAT EXCHANGER COIL
JP2012026714 A 20120209	JP20100184694 20100820	F24J2/32; F24J2/24	TOHO GAS KK	PEDESTAL-INTEGRATED HEAT COLLECTOR
JP2012036037 A 20120223	JP20100186938 20100824	C03C3/087; C03C3/091; F24J2/24; H01L31/04	ASAHI GLASS CO LTD [JP]	OUTDOOR GLASS TUBE
JP2012037217 A 20120223	JP20100188013 20100825	F28D20/00; F24F5/00; F24J2/42	TOSHIBA CORP	ENERGY STORAGE DEVICE
JP2012042093 A 20120301	JP20100188014 20100825	F24J2/38; F03G6/00; F24J2/10; H02N11/00	KONICA MINOLTA OPTO INC [JP]	SUNLIGHT REFLECTION DEVICE AND SOLAR THERMAL POWER GENERATION SYSTEM
JP2012042187 A 20120301	JP20100189386 20100826	F24J2/46; E04D13/18; F24J2/04	3D ASSIST KK	SOLAR WATER HEATER
JP2012047405 A 20120308	JP20100190266 20100827	F24J2/00; F24J2/24; H01L31/042	UMETSU KENJI; GF GIKEN KK	SUNLIGHT COGENERATION MODULE

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JP2012047861 A 20120308	JP20100190266 20100827; JP20100213071 20100924; JP20110049801 20110308	G02B5/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	FILM MIRROR, MANUFACTURING METHOD THEREOF, AND FILM MIRROR FOR CONDENSING SOLAR LIGHT
JP2012048006 A 20120308	JP20100190536 20100827	G02B5/08	KONICA MINOLTA OPTO INC [JP]	METHOD FOR MANUFACTURING FILM MIRROR AND SOLAR LIGHT REFLECTING MIRROR
JP2012048102 A 20120308	JP20100191903 20100830	G02B5/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	REFLECTOR FOR SOLAR THERMAL POWER GENERATION
JP2012052726 A 20120315	JP20100195304 20100901	F24J2/40; F24J2/34	PANASONIC CORP	SOLAR ENERGY UTILIZATION SYSTEM
JP2012058000 A 20120322	JP20100199619 20100907	G01W1/14	PANASONIC CORP	RAINDROP DETECTION APPARATUS
JP2012063086 A 20120329	JP20100200228 20100907	F24J2/24; F24J2/18; G02B7/182	TOKYO INST TECH [JP]	CAVITY-TYPE RECEIVER OF BEAM-DOWN LIGHT CONDENSING SYSTEM FOR SUNLIGHT
JP2012064832 A 20120329	JP20100200327 20100820	H01L31/042; F24J2/00	PANASONIC CORP	PHOTOVOLTAIC HEAT UTILIZATION SYSTEM
JP2012067948 A 20120405	JP20100208051 20100916	F24J2/00; E04D13/18	PANASONIC CORP	SOLAR POWER UTILIZATION SYSTEM
JP2012068007 A 20120405	JP20100208898 20100917	F24J2/42; F24F3/00	SASAKI NORIMASA	COOLING APPARATUS FOR UTILIZING SOLAR HEAT AND PUMPING UP AND UTILIZING SUBTERRANEAN COLD HEAT
JP2012069720 A 20120405	JP20100211768 20100922	H01L31/042	UMETSU KENJI	SOLAR MODULE SYSTEM UTILIZING REFLECTION LIGHT FOR COOLING
JP2012077976 A 20120419	JP20100213071 20100924	F24J2/24; F24J2/32	DAIKIN IND LTD	SOLAR HEAT COLLECTOR AND HOT WATER SUPPLY SYSTEM
JP2012083004 A 20120426	JP20100215869 20100927	F24H1/00; F24J2/42	KAMEKAWA KOGYO KK	MECHANISM FOR RELEASING AIR IN PIPING OF SOLAR WATER HEATING SYSTEM, AND METHOD THEREOF
JP2012083005 A 20120426	JP20100222556 20100930	F24H1/00; F24J2/00; F24J2/30; F24J2/40; H01L31/04	KAMEKAWA KOGYO KK	SOLAR WATER HEATER AND DISPLAY METHOD OF SOLAR WATER HEATER

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JP2012083015 A 20120426	JP20100223549 20101001	F25B17/08; F24J2/42; F24J2/46	FUJI SILYSIA CHEMICAL LTD	ADSORPTION HEAT PUMP
JP2012083025 A 20120426	JP20100223719 20101001	F23L15/00; C10B21/00; F24J2/42; F27D7/02	JFE STEEL CORP	OPERATION METHOD FOR FURNACE FACILITY
JP2012083040 A 20120426	JP20100225670 20101005	F24J2/34	PANASONIC CORP	SOLAR ENERGY UTILIZATION DEVICE
JP2012083527 A 20120426	JP20100228091 20101008	G02B5/08; B32B15/08	KONICA MINOLTA OPTO INC [JP]	FILM MIRROR, MANUFACTURING METHOD OF THE SAME, AND REFLECTION DEVICE FOR SOLAR POWER GENERATION
JP2012087960 A 20120510	JP20100228092 20101008	F24J2/34; F24J2/00	PANASONIC CORP	DEVICE FOR UTILIZING SOLAR ENERGY
JP2012087989 A 20120510	JP20100228838 20101008	F24J2/42; F22B3/04; F24J2/24	TAKASAGO THERMAL ENGINEERING	STEAM SUPPLY APPARATUS AND STEAM SUPPLY SYSTEM USING SOLAR HEAT
JP2012093061 A 20120517	JP20100229389 20101012	F24J2/42; F24H1/00	NORITZ CORP	SOLAR WATER HEAT SYSTEM
JP2012097979 A 20120524	JP20100229484 20101012	F24H1/00; F24J2/42	PURPOSE CO LTD	HEAT SOURCE DEVICE, HEAT SOURCE CONTROL METHOD, AND HEAT SOURCE CONTROL PROGRAM
JP2012098003 A 20120524	JP20100230218 20101013	F24H1/00; F02G1/055; F02G5/04; F03G6/06; F24J2/30	PANASONIC CORP	THERMOELECTRIC-GENERATION COGENERATION SYSTEM
JP2012102960 A 20120531	JP20100230968 20100924	F24J2/46; B65D90/00; B65D90/02; B65D90/48	KINO TOSHIO	HYBRID ROOF WATER TANK
JP2012107870 A 20120607	JP20100233219 20101018	F24J2/04	YU SHINPEI	HEAT COLLECTOR
JP2012108221 A 20120607	JP20100235354 20101020	G02B5/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	REFLECTOR FOR SOLAR THERMAL POWER GENERATION, METHOD FOR MANUFACTURING THE SAME AND REFLECTOR DEVICE FOR SOLAR THERMAL POWER GENERATION
JP2012112207 A 20120614	JP20100237629 20101022	E04B1/76; E04B1/70; F24F7/08; F24J2/42; F24J3/06; F24J3/08	LITTLE BIRD CO LTD	AIR CONDITIONING SYSTEM

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JP2012112604 A 20120614	JP20100238423 20101025	F24J2/10; F03G6/00; F24J2/14	KONICA MINOLTA ADVANCED LAYERS INC	REFLECTING DEVICE AND SOLAR HEAT POWER GENERATION SYSTEM
JP2012117394 A 20120621	JP20100239007 20101025	F03G6/00; F01K27/02; F24J2/24	mitsubishi heavy ind LTD [JP]	SOLAR HEAT RECEIVING INSTRUMENT
JP2012117396 A 20120621	JP20100239008 20101025	F03G6/00; F01K27/02; F24J2/24	mitsubishi heavy ind LTD [JP]	SOLAR HEAT RECEIVING INSTRUMENT
JP2012117411 A 20120621	JP20100239009 20101025	F03G6/00; F22B3/00; F24J2/10; F24J2/38	JFE ENG CORP	SOLAR THERMAL POWER GENERATION DEVICE AND OPERATING METHOD THEREOF
JP2012117688 A 20120621	JP20100239010 20101025	F24H1/00; F24J2/00; F24J2/40	NORITZ CORP	SOLAR WATER HEATER SYSTEM
JP2012117716 A 20120621	JP20100239405 20101026	F24J2/10; F02C1/05; F03G6/00	JFE ENG CORP	SOLAR POWER GENERATION SYSTEM
JP2012117761 A 20120621	JP20100239406 20101026	F24J2/24	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]	SOLAR THERMAL COLLECTOR TUBE
JP2012117762 A 20120621	JP20100240514 20101027	F24J2/18; F24J2/12; F24J2/24	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]	SOLAR THERMAL COLLECTOR
JP2012117763 A 20120621	JP20100240516 20101027	F24J2/38; F24J2/12	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]	SOLAR THERMAL COLLECTOR
JP2012117771 A 20120621	JP20100242708 20101028	F24J2/24; F24J2/14	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]	SOLAR THERMAL COLLECTOR
JP2012119359 A 20120621	JP20100246897 20101102	H01L31/042; F24J2/04	NORITZ CORP	PHOTOVOLTAIC POWER GENERATION SYSTEM

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JP2012122433 A 20120628	JP20100248075 20101105	F03G6/00; F24J2/10	KONICA MINOLTA ADVANCED LAYERS INC	SOLAR POWER GENERATION SYSTEM AND REFLECTING DEVICE
JP2012122642 A 20120628	JP20100253394 20101112	F24J2/06; F24J2/24	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]	SOLAR THERMAL COLLECTOR
JP2012122643 A 20120628	JP20100255350 20101115	F24J2/24; F24J2/08; G02B3/08	HITACHI PLANT MECHANICS CO LTD [JP]; HITACHI PLANT TECHNOLOGIES LTD [JP]	SOLAR LIGHT HEAT COLLECTING DEVICE
JP2012122693 A 20120628	JP20100255620 20101116	F24J2/24	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]	SUNLIGHT CONDENSING HEAT COLLECTING RECEIVER
JP2012508876 A 20120412	JP20100259074 20101119	G01J1/02; F24J2/38		OPTICAL SENSOR HOLDER FOR TRACKING SUNLIGHT
KR101103167B B1 20120104	JP20100263312 20101126	H01L31/042; F24J2/52; H02N6/00	KWON HYUN KI [KR]; KIM MYONG RYONG [KR]; GHO SUNG HO [KR]; JUNGDO ENERTECH CO LTD [KR]	PHOTOVOLTAIC POWER GENERATING APPARATUS
KR101103368B B1 20120105	JP20100263313 20101126	F24J2/38; F24J2/54	KIM KI SEOK [KR]	A PANNING APPARATUS FOR TRACKING SOLAR
KR101105291B B1 20120117	JP20100263775 20101126	F24J2/46; F24J2/50	JEHIN CO LTD [KR]	FRAME CONSTRUCTION FOR LARGE SCALE SOLAR COLLECTOR
KR101105495B B1 20120113	JP20100264989 20101129	F24J2/04; F24D15/00	LEE HI GON [KR]	SELT-ASSEMBLY ONDOL HEATING SYSTEM OF MULTILINE CIRCULATION TYPE USING SOLAR HEAT

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KR101106097B B1 20120118	JP20100265007 20101129	H01L31/04; F24J2/38	DH ENERGY AND ENVIRONMENT CORP [KR]	SOLAR TRACKER, SOLAR GENERATING APPARATUS HAVING THE SOLAR TRACKER AND SOLAR GENERATING SYSTEM HAVING THE SOLAR GENERATING APPARATUS
KR101107623B B1 20120125	JP20100265676 20101129	H01L31/052; F24J2/38	HILEBEN CO LTD [KR]	EFFICIENCY ENHANCEMENT EQUIPMENT FOR SUN LOCATION TRACKING TYPE SOLAR PHOTOVOLTAIC POWER FACILITIES
KR101108713B B1 20120130	JP20100265676 20101129; JP20100265679 20101129	H01L31/042; F24J2/54	TOP INFRA SOLAR INC [KR]	SOLAR POWER PLANT TO ADJUST ANGLE EASILY
KR101109105B B1 20120224	JP20100265679 20101129	H01L31/042; F24J2/52	PARK YOUNG HO [KR]	A STRUCTURE OF MODULE CONCENTRATING PHOTOVOLTAIC(CPV)
KR101110861B B1 20120215	JP20100266272 20101130	H01L31/042; F24J2/52	ILGWANG ENGINEERING LTD [KR]	supporting apparatus for photovoltaic module frame
KR101111975B B1 20120214	JP20100266338 20101130	F24J2/14; F24J2/24	PARKIZ ARCHITECTS INC [KR]; KOREA ADVANCED INST SCI & TECH [KR]	heat storage device using a parabolic mirror
KR101117133B B1 20120307	JP20100268553 20101201	F24J2/04; F24J2/34	KIM JONG BOK [KR]	HEATING METHOD BY SOLAR ENERGY
KR101119907B B1 20120229	JP20100268553 20101201; JP20100269191 20101202	F24J2/38; H01L31/042	FLUORO TECH CO LTD [KR]	SUN TRACKING APPARATUS
KR101120906B B1 20120229	JP20100268554 20101201	F03G6/00; F24J2/04	LEE JONG EUN [KR]	PRODUCTION OF ELECTRICITY USING SOLAR THERMAL ENERGY SYSTEM
KR101121638B B1 20120228	JP20100268554 20101201; JP20100268555 20101201; JP20100272325 20101207	F24J2/08; F24J2/06	LEE JONG EUN [KR]	SUN LIGHT CONDENSING EQUIPMENT
KR101121768B B1 20120322	JP20100268555 20101201	H01L31/042; F24J2/52	SEOPYEONG ELECTRIC INDUSTRY CO [KR]	SUPPORT FOR SOLAR CELL PANEL

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KR101121824B B1 20120319	JP20100269191 20101202	F24F5/00; F24F11/02; F24J2/34	KUMKANG CEN TECH [KR]	AIR-CONDITIONING SYSTEM USING SOLAR THERMAL ENERGY
KR101122617B B1 20120316	JP20100271965 20101206	H01L31/042; F24J2/38	GNC TECH LTD [KR]	SOLAR GENERATOR HAVING SOLAR TRACKING SYSTEM
KR101124486B B1 20120627	JP20100272325 20101207	H01L31/042; F24J2/52; H02N6/00	REPUBLIC OF KOREA NAT FISHERIES RES AND DEV INST [KR]	HYBRID TYPE PHOTOVOLTAIC POWER GENERATION DEVICE HAVING OVAL SHAPE
KR101126076B B1 20120315	JP20100272326 20101207	F24J2/38; F24J2/10; F24J2/24	KIM HYEON SOO [KR]	APPARATUS FOR COLLECTING SOLAR BY USING REFLECTOR, SOLAR COLLECTION CONTROLLER AND METHOD THEREOF
KR101128173B B1 20120322	JP20100273409 20101208	F24J2/24; F24D15/00	OH SUK IN [KR]	AN INTEGRATED COOLING AND HEATING SYSTEM OF THE SELF SUPPLY TYPE USING THE SOLAR ENERGY AND THE DEVICE
KR101133043B B1 20120404	JP20100274809 20101209	F02G1/043; F02G1/055; F24J2/06	PARK SOON SAE [KR]	A STIRLING ENGINE GENERATOR
KR101134289B B1 20120406	JP20100274997 20101209	H01L31/042; B63B38/00; F24J2/52; H02N6/00	KOO JOUNG WAN [KR]	FLOATING SOLAR POWER GENERATING SYSTEM
KR101134524B B1 20120413	JP20100275466 20101210	H01L31/042; B63B38/00; F24J2/52; H02N6/00	WOOJIN [KR]	SOLAR ENERGY GENERATING FACILITY OF COMPRESSED BUOY TYPE
KR101136068B B1 20120502	JP20100278576 20101214	H01L31/042; F24J2/52; H02N6/00	DSP ENG CO LTD [KR]	SUNLIGHT MODULE INSTALLATION STRUCTURE OF PHOTOVOLTAIC POWER GENERATING SYSTEM
KR101136597B B1 20120418	JP20100279148 20101215	H01L31/042; F24J2/38	IM NAM GYU [KR]; UNIV SEOUL INDUSTRY COOP FOUND [KR]	SOLAR GENERATING MODULE FOR TRACKING HEIGHT AND AZIMUTH OF SUNLIGHT
KR101141734B B1 20120503	JP20100279436 20101215	G02B7/182; B64B1/02; F24J2/00	KOREA AEROSPACE RES INST [KR]	METHOD FOR LOCAL TERRITORIAL TEMPERATURE CONTROL BY USING STRATOSPHERIC AIRSHIPS AND REFLECTOR
KR101142898B B1 20120510	JP20100293687 20101228	H01L31/042; F24J2/52	ILGWANG SOLAR ENERGY CO LTD [KR]	SOLAR PHOTOVOLTAIC POWER GENERATION MODULE SUPPORTTING STRUCTURE



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KR101143411B B1 20120621	JP20120058413 20120315	E01F8/00; E04B1/86; F03D9/00; F24J2/38	SHINSUNG CONSTRUCTION CO LTD [KR]	SOUNDPROOF PANEL
KR101144192B B1 20120514	KR20080113820 20081117; KR20090046470 20090527; WO2009KR05977 20091016	F24J2/04; F24J2/10; F24J2/24	KIM DONG WON [KR]	SOLAR COLLECTOR
KR101144703B B1 20120524	KR20090080257 20090828; KR20090123504 20091211; WO2010KR05786 20100827	F24J2/38; G01J1/28; H01L31/042	LEE JAI JIN [KR]	SUN TRACKER SELF-DRIVEN
KR101144890B B1 20120515	KR20090087230 20090915	E01C11/26; E01H5/10; F24J2/04; F24J3/08	BNTTEK INC CO LTD [KR]	FREEZE PROTECTION OF FIRE EXTINUISHING LINES IN TUNNEL AND ANTI- ICING OF ROAD SURFACE USING UNDERGROUND HEAT STORAGE
KR101145925B B1 20120515	KR20090090192 20090923; KR20100043941 20100511; WO2010KR05991 20100903	H01L31/042; F24J2/04	LG ELECTRONICS INC [KR]	PHOTOVOLTAIC THERMAL COMBINED MODULE
KR101149608B B1 20120529	KR20100010864U 20101022	H01L31/042; B63B38/00; F24J2/38; H02N6/00	LK ANCHOR TECHNOLOGY CO LTD [KR]; KOREA WATER RESOURCES CORP [KR]	FLOAT TYPE SOLAR ENERGY GENERATING SYSTEM
KR101150320B B1 20120608	KR20100060278 20100625	F24J2/04; F24J2/30; F24J3/08	KOREA ENERGY RESEARCH INST [KR]	COMPACT TYPE THERMAL STORAGE AND THERMAL ENERGY SUPPLING DEVICE
KR101153365B B1 20120607	KR20100062143 20100629	H01L31/042; F24J2/52; H02N6/00	KIM JAE UN [KR]	ROVINGNESS SOLAR PHOTOVOLTAIC SYSTEM

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KR101155352B B1 20120619	KR20100062656 20100630	H01L31/042; F16M11/00; F24J2/52	JUWANG LTD [KR]	SUPPORTING APPARATUS FOR PHOTOVOLTAIC MODULE FRAME
KR101158552B B1 20120620	KR20100063074 20100630	H01L31/042; F24J2/52	TOP INFRA SOLAR INC [KR]; TOP INFRA SOLAR INC [KR]	SOLAR CELL MODULE FIXATION CLAMP
KR101158682B B1 20120625	KR20100063529 20100701	F24J2/32; F24J2/30	KSB CO LTD [KR]	EVACUATED TUBE SOLAR COLLECTOR WITH MULTI CHANNEL PLATE TYPE HEAT PIPE
KR101160614B B1 20120628	KR20100063722 20100702	F24J2/38; F24J2/54	GO HAN YEONG [KR]	TRACKING APPARATUS FOR SOLAR PHOTOVOLTAIC
KR20120000057 A 20120103	KR20100063932 20100702	C25B9/08; C25B1/04	MCALISTER TECHNOLOGIES LLC [US]	APPARATUS AND METHOD FOR GAS CAPTURE DURING ELECTROLYSIS
KR20120000117 A 20120102	KR20100063933 20100702	H01L31/042; F24J2/38	KIM SEUNG SEOP [KR]	ELECTRIC GENERATING APPARATUS
KR20120001392 A 20120104	KR20100064906 20100706	F24J2/04; F24J2/30; F24J2/34	KYUNG DONG NAVIEN CO LTD [KR]	SOLAR HEAT SYSTEM HAVING DISCRETE HEATING AND HOT WATER TANK
KR20120002275 A 20120105	KR20100064931 20100706	F24J2/40; F24J2/04	UNIV KYUNG HEE UNIV IND COOP [KR]	HOT-WATER SUPPLY SYSTEM USING SOLAR HEAT
KR20120002825 A 20120109	KR20100065058 20100706	F24J2/38; E04D13/18; H01L31/042	PARK JAE SUNG [KR]	BIPV SYSTEM USING ANGLE SENSOR
KR20120003075 A 20120110	KR20100065102 20100706	E01F8/00; E04B1/86; F24J2/38; H01L31/042	HANS CO LTD [KR]	PHOTOVOLTAIC SOUND PROOF WALL USING ANGLE SENSOR
KR20120003201 A 20120110	KR20100066949 20100712	F24J2/06; F24J2/30; F24J2/46	ENEROPTO CO LTD [KR]; PARK SU HYUN [KR]; KIM HYUN JIN [KR]	LIGHT COLLECTOR
KR20120003202 A 20120110	KR20100067452 20100713	E04B1/00; E04B1/343; F21V8/00; F24J2/38	KIM HYUN JIN [KR]	ENERGY ZERO HOUSE
KR20120004181 A 20120112	KR20100067517 20100713	F24J2/10; F24J2/38; H01L31/042	INTAS CO LTD [KR]	REFLECTING MIRROR APPARATUS FOR SOLAR POWER GENERATION
KR20120004202 A 20120112	KR20100067907 20100714	F03D7/00; F24J2/02; H02J3/00	SAMSUNG HEAVY IND [KR]	STANDBY POWER SUPPLY SYSTEM FOR WIND TURBINE SYSTEM
KR20120004283 A 20120112	KR20100068106 20100714	F24J2/38; F24J2/54; H01L31/042	UNIV SUNGKYUNKWAN FOUND [KR]	THE NATURAL LIGHT SYSTEM USE INTELLIGENT TYPE RECOGNITION

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KR20120004314 A 20120112	KR20100068334 20100715	F24J2/52; F16F7/00; H01L31/042	ECO SOLAR CO LTD [KR]	SEISMIC EQUIPMENT SOLAR POWER INSTALLATIONS
KR20120004446 A 20120112	KR20100068644 20100715	H01L31/055; G02B6/10; H01S3/091	MORGAN SOLAR INC [CA]	STIMULATED EMISSION LUMINESCENT LIGHT-GUIDE SOLAR CONCENTRATORS
KR20120004945 A 20120113	KR20100069308 20100719	F24J2/04; F24D15/00	YOO EUN SIK [KR]	SOLAR HEATING SYSTEM USING BALCONY AND WALL STRUCTURE
KR20120004968 A 20120113	KR20100070721 20100722	F24J2/07; F22B1/00	COCKERILL MAINTENANCE & AMP INGENIERIE S A [BE]; AVENGOA SOLAR NEW TECHNOLOGIES S A [ES]	FLAG-SHAPED HEAT EXCHANGER
KR20120006298 A 20120118	KR20100070931 20100722	F24J2/52; F16F15/02	ECO SOLAR CO LTD [KR]	ABSORBER APPARATUS FOR A WIRE
KR20120006795 A 20120119	KR20100071389 20100723	F24J2/54; F24J2/38; H01L31/042	KOREA PLANT SERVICE & AMP ENGINEERING CO LTD [KR]	DEVICE FOR TRACKING SUNLIGHT AND FABRICATION METHOD THEREOF
KR20120006838 A 20120119	KR20100071802 20100726	F24J2/04; F24J2/34	NAM CHANG MIN [KR]; LEE SEO YOUNG [KR]; NAM SEUNG HYUN [KR]	A SOLAR HEATING DEVICE
KR20120007249 A 20120120	KR20100072152 20100727	H01L31/042; F24J2/38	YUBI TECH CO LTD [KR]	SOLAR POWER GENERATION SYSTEM FOR HIGH EFFICIENT

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KR20120007684 A 20120125	KR20100072715 20100728; KR20100072166 20100727; KR20100071757 20100726; KR20100071389 20100723; KR20100070931 20100722	F24J2/12; F24J2/18	KANG CHUNG SEOK [KR]	FIXTURE PARABOLIC TROUGH CONCENTRATING
KR20120007869 A 20120125	KR20100074161 20100730	F24F11/02; F24F5/00; F24J2/04	LG ELECTRONICS INC [KR]	AIR CONDITIONER SYSTEM
KR20120008568 A 20120201	KR20100074212 20100730	F24J2/24; F24J2/46	SUNERGY [KR]	VACUUM TUBE TYPE SOLAR ENERGY COLLECTING PIPE
KR20120009044 A 20120201	KR20100074384 20100730	F03D9/00; F03B13/00; F24J2/02	KO YEONG HO [KR]	Energy House
KR20120010346 A 20120203	KR20100074509 20100802	E04F10/08; F24J2/38; H01L31/042	UNIV YONSEI IACF [KR]; NAT UNIV HANBAT INDUSTRY [KR]	PV SYSTEM WITH SUNSHADE AND CONTROL METHOD THEREOF
KR20120010630 A 20120206	KR20100074514 20100802	F24J2/46; H01L31/042	HILEBEN CO LTD [KR]	EFFICIENCY ENHANCEMENT EQUIPMENT FOR SOLAR PHOTOVOLTAIC POWER FACILITIES
KR20120010654 A 20120206	KR20100074913 20100803	F24J2/46; H01L31/042	HILEBEN CO LTD [KR]	METHOD OF CONTROLLING EFFICIENCY ENHANCEMENT EQUIPMENT FOR SOLAR PHOTOVOLTAIC POWER FACILITIES
KR20120010675 A 20120206	KR20100074948 20100803	F24J2/38; F24J2/54; H01L31/042	LEE SOON BOON [KR]	PHOTOVOLTAIC POWER GENERATOR
KR20120012167 A 20120209	KR20100075129 20100804	F24J2/04; F24J2/10; F24J2/30; F24J2/38	GIM EUNG HEON [KR]	Solar energy boiler
KR20120012198 A 20120209	KR20100076612 20100809	F24J2/38; F24J2/52	CHUNG EDDIE YONG [US]	Azimuth angle control apparatus and Solar heat boiler with the same
KR20120012302 A 20120209	KR20100076806 20100810	B63J2/12; B63B35/44; F24J2/46; F28D1/04	SAMSUNG HEAVY IND [KR]	Heated water generating system

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KR20120012523 A 20120210	KR20100077025 20100810	A47J43/04; F24J2/02	PARK JAE YOUNG [KR]	The mixer for using ac power source and solar cell
KR20120012528 A 20120210	KR20100077163 20100811	F24J2/38; F24J2/10; H01L31/042	TM TECH CO LTD [KR]	APPARATUS FOR COLLECTING SOLAR ENERGY
KR20120012715 A 20120210	KR20100077202 20100811	F24F3/16; A61L9/013; A61L9/03; F24J2/00	HUH KWAN [KR]	Vaporizer with hybrid solar energy collector
KR20120014494 A 20120217	KR20100077210 20100811	F24J2/08	SHIN SUK KYUN [KR]	INDOOR HEATING DEVICE USING WINDOW
KR20120014687 A 20120220	KR20100077226 20100811	B23K3/02; B23K1/005; B23K3/04; F24J2/08	KOREA RES INST OF STANDARDS [KR]	SOLDERING IRON USING SOLAR HEAT, SOLDERING AND CUTTING METHOD USING THE SAME
KR20120014820 A 20120220	KR20100077234 20100811	B63B25/00; B63J99/00; F24J2/38; H01L31/042	DAEWOO SHIPBUILDING & MARINE [KR]	CONTAINER TANK HAVING SOLAR POWER GENERATING SYSTEM
KR20120014999 A 20120221	KR20100079892 20100818	F03B13/00; F24J2/02; H01L31/042	KIM MYUNG SIN [KR]	GENERATION SYSTEM USING SUN POWER AND WATER POWER
KR20120015018 A 20120221	KR20100079894 20100818	H01L31/042; F24J2/54	DH ENERGY AND ENVIRONMENT CORP [KR]	CONNECTION UNIT FOR SOLAR GENERATING MODULE, SUPPORT ASSEMBLY HAVING THE CONNECTION UNIT AND SOLAR GENERATING APPARATUS HAVING THE SUPPORT ASSEMBLY
KR20120015022 A 20120221	KR20100079895 20100818	H01L31/042; F24J2/52	DH ENERGY AND ENVIRONMENT CORP [KR]	HINGE FRAME MODULE AND SOLAR GENERATING APPARATUS HAVING THE HINGE FRAME
KR20120015033 A 20120221	KR20100079897 20100818	H01L31/04; F24J2/54	DH ENERGY AND ENVIRONMENT CORP [KR]	ROTATABLE LINK MODULE AND SOLAR GENERATING SYSTEM HAVING THE SAME
KR20120017288 A 20120228	KR20100079928 20100818	F24J2/04; F24J2/46	KOREA ENERGY RESEARCH INST [KR]	FLUID HEATING DEVICE USING SOLAR ENERGY
KR20120017310 A 20120228	KR20100080014 20100818	F24J2/04; F24J2/24; F24J2/30	KIM SUNG WAN [KR]; KIM JIN MO [KR]	SOLAR HEAT BOILER
KR20120017364 A 20120228	KR20100080019 20100818	F24J2/38; F24J2/54; H01L31/042	DH ENERGY AND ENVIRONMENT CORP [KR]	SOLAR TRACKER AND SOLAR GENERATING APPARATUS HAVING THE SOLAR TRACKER

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KR20120017366 A 20120228	KR20100080616 20100820	F24J2/38; F24J2/54; H01L31/042	DH ENERGY AND ENVIRONMENT CORP [KR]	SOLAR GENERATING SYSTEM
KR20120017802 A 20120229	KR20100080638 20100820	F24J2/04; F24J2/10; F24J2/46	HONG SEOK TAE [KR]	SOLAR GENERATING APPARATUS
KR20120018261 A 20120302	KR20100081126 20100822	F24J2/02; F24J2/06; F24J2/38	RYU SANG WOO [KR]	THE APPLICATION OF THE SUN HEATED OVEN BY EFFICIENT SUNLIGHT REFLECTING AND CONCENTRATING APPARATUS WITH THE SUN TRACKING DEVICE
KR20120020838 A 20120308	KR20100084718 20100831	F24J2/04; F24J2/46; H01L31/042	SAMSUNG HEAVY IND [KR]	APPARATUS FOR COLLECTING SOLAR HEAT
KR20120020992 A 20120308	KR20100084980 20100831	F24J2/06; F24J2/08; F24J2/10	PARKIZ ARCHITECTS INC [KR]; KOREA ADVANCED INST SCI & TECH [KR]	LIGHT COLLECTING ASSEMBLY AND HEAT STORAGE SYSTEM WITH IT
KR20120021295 A 20120308	KR20100085288 20100901	F24J2/06; F24J2/08; F24J2/10	PARKIZ ARCHITECTS INC [KR]; KOREA ADVANCED INST SCI & TECH [KR]	LIGHT COLLECTING ASSEMBLY
KR20120021493 A 20120309	KR20100085823 20100902	F24J2/38; F24J2/54; H01L31/042	HANKOOK NICE FIRE PROT [KR]	THE TRACK STYLE SUNLIGHT PRODUCTION OF ELECTRIC POWER SYSTEM
KR20120021871 A 20120309	KR20100086004 20100902	F25B15/00; F24J2/00; F25B27/00	OH CHANG KEUN [KR]	LOW TEMPERATURE WATER ABSORPTION COOLING APPARATUS FOR SOLA SYSTEM
KR20120022328 A 20120312	KR20100086851 20100906	F24J2/04; F24J2/24; F24J2/46	KIM SI TAE [KR]	SOLAR HOT WATER BOILER
KR20120022419 A 20120312	KR20100088108 20100908	E02D29/02; E02B3/14; E02D17/20; F24J2/00	KOREA INST CONSTRUCTION TECH [KR]	STEP RETAINING WALL STRUCTURE HAVING SOLAR POWER GENERATION FUNCTION
KR20120023219 A 20120313	KR20100089249 20100913	F24J2/38; F24J2/54; H01L31/042	WINNING BUSINESS CO LTD [KR]	WEIGHT BALANCED SOLAR TRACKING SYSTEM FOR PHOTOVOLTAIC POWER GENERATING SYSTEM
KR20120024137 A 20120314	KR20100089644 20100913	F24J2/40; F24J2/38; H01L31/042	KOREA ELECTRICAL SAFETY CORP [KR]	APPARATUS FOR PREVENTING DAMAGE OF TRACKING TYPE PHOTOVOLTAIC PANEL SUPPORT

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KR20120025454 A 20120315	KR20100090333 20100915	F24J2/48	APPLIED NANOSTRUCTURED SOLUTIONS [US]	SOLAR RECEIVER UTILIZING CARBON NANOTUBE INFUSED COATINGS
KR20120025917 A 20120316	KR20100091076 20100916	B63J3/00; B63J99/00; F24J2/46; H01L31/042	DAEWOO SHIPBUILDING & MARINE [KR]	VESSEL HAVING APPARATUS WHICH IS SOLAR POWER GENERATION
KR20120026141 A 20120316	KR20100092609 20100920	F03G7/04; F22B33/18; F24H8/00	MCALISTER TECHNOLOGIES LLC [US]	ENERGY SYSTEM FOR DWELLING SUPPORT
KR20120027593 A 20120322	KR20100093819 20100928	F21S19/00; F21S11/00; F24J2/38	CHU PONG HO [KR]	HYBRID SOLAR LIGHTING SYSTEM
KR20120027842 A 20120322	KR20100094343 20100929	F24J2/04; H01L31/042	JUN TAE KYOO [KR]	A GENERATOR USING VACCUM TUBE TYPE SOLAR COLLECTOR
KR20120028481 A 20120323	KR20100095839 20101001	F24J2/54; F24J2/52	SIN EUN GYEONG [KR]	STRUCTURE SUPPORT MEMBER APPARATUS
KR20120029158 A 20120326	KR20100097282 20101006	F24J2/38; F24J2/40	WONKWANG ELEC CO [KR]	SUN TRACKING SYSTEM USING WIRELESS NETWORKS, APPARATUS AND THE CONTROLLING METHOD THEREOF
KR20120031865 A 20120404	KR20100098622 20101011	F24J2/24; F24J2/10; F24J2/46	KIM JIN HOE [KR]	SOLAR HOT WATER BOILER USING CONVECTION
KR20120031996 A 20120404	KR20100098810 20101011	F24J2/38; F24J2/54	MIRAE ENERGY TECHNOLOGY CO [KR]	DEVICE FOR USING SOLAR ENERGY HAVING SOLAR TRACKING WAY OF ROLLING MOVEMENT AND METHOD THEREOF
KR20120032386 A 20120405	KR20100098856 20101011	F24J2/38; F24J2/54	KIM KI SEOK [KR]	A SOLAR TRACKING APPARATUS
KR20120032809 A 20120406	KR20100100074 20101014	F24J2/38; F24J2/54; H01L31/042	PARK JONG GEUN [KR]; KIM SUN HWA [KR]	SUN TRACKER DRIVEN INTEGRATEDLY FOR PHOTOVOLTAIC SYSTEM
KR20120034353 A 20120412	KR20100100932 20101015	F24J2/38; F24J2/54; H01L31/042	GWANGSEONG ENG CO LTD [KR]; PARK SUN YONG [KR]	IN-LINE GROUP LINKAGE TYPE TRACKING SUNLIGHT DEVICE
KR20120037081 A 20120419	KR20100101610 20101019	F24J2/06; G02B6/10; H01L31/042	LEE SEO YOUNG [KR]	PLANAR LIGHT CONCENTRATOR

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KR20120037197 A 20120419	KR20100102871 20101021	F22B33/18; F01K11/00; F01K27/02; F24J2/02	HYUN DAI HEAVY IND CO LTD [KR]	Hybrid of Solar Thermal System and Combined Cycle Power Plant
KR20120037224 A 20120419	KR20100108027 20101102	F22B33/18; F01K11/00; F01K17/02; F24J2/02	HYUN DAI HEAVY IND CO LTD [KR]	Hybrid of Solar Thermal Power Plant and Fossil Fuel Boiler
KR20120038566 A 20120424	KR20100108028 20101102	F03D9/00; F03B13/00; F24J2/02; F24J3/08	FUTURE ENGINE CO LTD [KR]	POWER SUPPLY SYSTEM USING RENEWABLE ENERGY AND THE CONTROL METHOD THEREOF
KR20120039294 A 20120425	KR20100108030 20101102	G06Q50/00; F24J2/00; G06F19/00	CHEIL ENGINEERING CO LTD [KR]	NOTICING SYSTEM FOR THE STATE OF FREEZING ROAD AND OPERATING METHOD THEREOF
KR20120040283 A 20120427	KR20100108087 20101102	F24J2/08; F24J2/24	KIM SI TAE [KR]	SOLAR HOT WATER BOILER
KR20120041424 A 20120502	KR20100110098 20101106	F24J2/38; F24J2/40; H01L31/042	TAE SUNG INSTR ELECTRIC CO [KR]	SUN TRACKING DEVICE OF SUN HEAT GENERATOR
KR20120042921 A 20120503	KR20100110404 20101108	F25B27/00; F24J2/42; F28D20/00; H01L31/04	HITACHI SEISAKUSHO D KK [JP]	HEAT PUMP POWER GENERATION SYSTEM
KR20120043136 A 20120503	KR20100110596 20101108	C04B35/18; C04B35/101; C04B35/20; F02P15/00	MCALISTER TECHNOLOGIES LLC [US]	CERAMIC INSULATOR AND METHODS OF USE AND MANUFACTURE THEREOF
KR20120046403 A 20120510	KR20100112007 20101111	F24J2/32; F24J2/46	KOREA ENERGY RESEARCH INST [KR]	HEAT PIPE EVACUATED SOLAR COLLECTOR
KR20120046404 A 20120510	KR20100112463 20101112	F24J2/46; F24J2/50	KOREA ENERGY RESEARCH INST [KR]	FRAME STRUCTURE OF LARGE FLAT PLATE SOLAR COLLECTOR
KR20120046405 A 20120510	KR20100113797 20101116	F24J2/46; F24J2/04	KOREA ENERGY RESEARCH INST [KR]	PIPING CONNECTION OF LARGE SIZE SOLAR COLLECTOR
KR20120046441 A 20120510	KR20100114319 20101117	F24J2/06; F24J2/10; G02B27/18	CHEJU NAT UNIV IND ACAD COOP [KR]	LIGHT COLLECTING APPARATUS AND LIGHT TRANSMITTING SYSTEM HAVING THE SAME
KR20120047877 A 20120514	KR20100114568 20101117	F03G6/00; F03G6/06; F24J2/00; G02B6/00	PARK JIN HWAN [KR]; SEO BO GUN [KR]	DEVELOPMENT OF PHOTOVOLTAIC SYSTEMS, SOLAR SPECTROSCOPY USING A CONDENSING UNIT PANELS
KR20120048761 A 20120516	KR20100116101 20101122	F24J2/38; F24J2/54	KIM BYUN SOO [KR]	SOLAR TRACKER SYSTEM



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KR20120048917 A 20120516	KR20100118562 20101126; KR20110019783 20110307	F24J2/38; F24J2/40; G01J1/28	SMARTEC [KR]	SUNLIGHT TRACKING DEVICE USE SUNLIGHT CONDENSING SENSORS
KR20120049036 A 20120516	KR20100119245 20101127	H01L21/205; C23C16/06; C23C16/44; F24J2/10	LG CHEMICAL LTD [KR]	REFLECTOR AND CVD REACTOR FOR MANUFACTURING POLYSILLICON BY USING THE SAME
KR20120050649 A 20120521	KR20100124126 20101207	F24J2/04; F24J2/08; F24J2/24; F24J2/30	KIM DONG WON [KR]	HIGH EFFICIENCY SUN LIGHT BOILER
KR20120051171 A 20120522	KR20100124955 20101208	F24J2/04; F24J2/30	NAM HYO KAP [KR]	THE SOLAR DOMESTIC HOT WATER SYSTEM
KR20120052575 A 20120524	KR20100125521 20101209	E01D19/08; C02F1/00; E03F5/10; F24J2/00	DAELIM IND CO LTD [KR]	DRAIN APPARATUS
KR20120053178 A 20120525	KR20100126174 20101210	F24J2/38; F24J2/54; H01L31/042	KIM MUN SIK [KR]; KIM SANG SEOK [KR]	SOLAR LIGHT TRACKING APPARATUS
KR20120053347 A 20120525	KR20100126249 20101210	F24J2/04; F24D11/00	SEHAN SOLAR ENERGY CO LTD [KR]	HEATING/WARM WATER SYSTEM WHICH USES A SOLAR HEAT
KR20120054798 A 20120531	KR20100126682 20101213	F24J2/04; F24J2/24; F24J2/46	KIM DONG WON [KR]	HIGH EFFICIENCY SUN LIGHT BOILER
KR20120063091 A 20120615	KR20100127011 20101213	F24J2/46; F24J2/52; H01L31/042	KOREA AEROSPACE RES INST [KR]	HINGE FOR DEPLOYMENT SOLAR PANELS AND THE METHOD USING THE SAME
KR20120064000 A 20120618	KR20100127393 20101214	H01L31/042; B08B1/00; F24J2/38	NIIZAKI YUICHIRO [JP]; NIIZAKI YUNITO [JP]	AUTO-POLISHING AND/OR CLEANING APPARATUS FOR SOLAR CELL PANEL
KR20120064338 A 20120619	KR20100127992 20101215	F24F5/00; B60H1/32; B60H3/00; F24J2/00	OH MIN SEOK [KR]; KIM DEOK RYONG [KR]	AUTOMATIC MOBIL COOLER USING SUNLIGHT REFLECT PANEL
KR20120064968 A 20120620	KR20100128375 20101215	E01F15/00; E01F15/02; F24J2/00; F24J2/38	KIM HAG KEE [KR]	A FENCE INCLUDING A SOLAR CELL
KR20120065515 A 20120621	KR20100135357 20101227	F03D9/00; F22B3/06; F24D3/00; F24J2/02	KIM JUN SEOP [KR]; KIM SE YOUNG [KR]; KIM HAN YOUNG [KR]	HOT WATER HEATER USING WIND AND SOLAR FORCE
KR20120065733 A 20120621	KR20100137103 20101228	F24J2/04; F24J2/38	SEO SANG GIL [KR]	SUN LOCATION TRACKING TYPE SOLAR GENERATION APPARATUS

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KR20120066178 A 20120622	KR20100139308 20101230	E01H10/00; E01H5/00; F24J2/00; H01L31/042	TNS CO LTD [KR]	FREEZING KEEP OFF DEVICE OF ROAD SURFACE
KR20120066619 A 20120622	KR20110002345 20110110	H01L31/042; A01G9/14; F24J2/52; H02N6/00	KIM DONG HOI [KR]	SOLAR CELL POWER GENERATING SYSTEM PROVIDED WITH GREENHOUSE FOR CULTIVATION
KR20120066746 A 20120625	KR20110010580 20110207	F24J2/38; F24J2/54; H01L31/042	KIM SEUNG SEOP [KR]	TRACKING APPARATUS FOR FLOAT TYPE PHOTOVOLTAIC POWER GENERATION
KR20120066995 A 20120625	KR20110013246 20110215	F24J2/46; F24J2/04	KOLON GLOBAL CORP [KR]	SHADING DEVICE OF SOLAR HEAT COLLECTOR AND SHADING METHOD
KR20120067325 A 20120625	KR20110015434 20110222	F24J2/38; F24J2/54; H01L31/042	NAT UNIV HANBAT INDUSTRY [KR]	PHOTOVOLTAIC POWER GENERATION DEVICE AND SOLAR CELL BOARD ADJUSTING METHOD
KR20120067385 A 20120626	KR20110017151 20110225	F02G1/043; F02G1/055; F24J2/02; F24J2/51	KOO DONG HOI [KR]	OMITTED
KR20120070549 A 20120629	KR20110023177 20110316	G09F11/18; F24J2/38; H02J7/35; H04W24/00	SEO JIN SU [KR]	SCROLLING POSTER ADVERTISEMENT DEVICE THAT EQUIP SOLAR TRACKER AND LBS(LOCATION BASED SERVICE) MODULE
MA33169 B1 20120402	KR20110025522 20110322	F24J2/07; F24J2/48	SAINT GOBAIN INDUSTRIEKERAMIK RODENTAL GMBH [DE]; SABA & CO	MODULE ABSORBEUR SOLAIRE ET AGENCEMENT D'ABSORBEURS SOLAIRES
MX2010009122 A 20120222	KR20110027828 20110328	F24J2/00	CAPTASOL S A DE C V [MX]	WATER SOLAR HEATER FOR DWELLINGS.
MX2010012070 A 20120426	KR20110061456 20110624	F24J2/12	UNIV AUTONOMA DE BAJA CALIFORNIA [MX]	PARABOLIC CYLINDRICAL COLLECTOR FOR COLLECTING, CONCENTRATING AND CONVERTING THE SOLAR RADIATION INTO THERMAL ENERGY.
MX2010012078 A 20120426	KR20110066507 20110705	F24J2/00	UNIV AUTONOMA DE BAJA CALIFORNIA [MX]	COLLECTOR AND SYSTEMS FOR GENERATING STEAM FROM THE USE OF SOLAR ENERGY.
MX2010013026 A 20120528	KR20110066767 20110706	F24J2/46	CAPTASOL S A DE C V [MX]	THERMO TANK WITH EXCHANGER FOR SOLAR HEATER.
MX2010013715 A 20120613	KR20110068372 20110711	F24J2/00	LUNA JOSE GUADALUPE VAZQUEZ	CYLINDRICAL-PARABOLIC COLLECTOR OF A NOVEL TYPE.

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			[MX]	
MX2010013961 A 20120618	KR20110072013 20110720	F24J2/00	INST POLITECNICO NAC [MX]	SOLAR TRACKER CONTROLLED BY THE WATER DISPLACEMENT FOR SOLAR RADIATION-OPERATED EQUIPMENTS.
MX2010014159 A 20120618	KR20110074751 20110727	F24J2/46; F24J2/40	CAPTASOL S A DE C V [MX]	ADJUSTABLE THERMOSTATIC DEVICE FOR DRAINING AND PREVENTING FREEZING.
MX2010014419 A 20120621	KR20110076521 20110801	F24J2/10	CT INVESTIG Y ESTUDIOS DEL IPN [MX]	SOLAR CONCENTRATOR OF FLAT SEGMENTED MIRRORS WITH TRACKING SYSTEM.
MX2010014431 A 20120621	KR20110077549 20110804	B01D3/00; F24J2/00	HERNANDEZ MARIA GRISELDA CORRO [MX]	DEVICE FOR DISTILLING LIQUIDS USING SOLAR ENERGY.
MX2010014433 A 20120621	KR20110078277 20110805	F24J2/42	GUADARRAMA GENARO DE JESUS JIMENEZ [MX]	IMPROVEMENTS IN SOLAR WATER HEATERS.
MX2011008565 A 20120112	KR20110079291 20110809	F24J2/10	MATALON ENERGY LLC [US]	PARABOLIC SOLAR COLLECTOR.
MX2011009826 A 20120125	KR20110085616 20110826	F03G6/02; F01K27/00; F03G6/06; F24J2/42	SOLAR STORAGE COMPANY [US]	INTERMEDIATE PRESSURE STORAGE SYSTEM FOR THERMAL STORAGE.
MX2011010224 A 20120127	KR20110085978 20110826	F24J2/54; F24J2/14	ABENGOA SOLAR INC [US]	TORQUE TRANSFER BETWEEN TROUGH COLLECTOR MODULES.
MX2011010463 A 20120411	KR20110087783 20110831	F24J2/00	WIZARD POWER PTY LTD [AU]	SOLAR MIRROR PANELS AND THEIR MANUFACTURE.
MX2011012011 A 20120208	KR20110096552 20110923	F24J2/34; F24J2/26	FRELLER WALTER [AT]	DEVICE FOR HEATING PROCESS WATER.
MX2012000149 A 20120221	KR20110098733 20110929	F24J2/04	DU PONT [US]	BUILDING-INTEGRATED SOLAR-PANEL ROOF ELEMENT SYSTEMS.
MX2012000352 A 20120201	KR20110100672 20111004	H02J7/35; F21S9/03; F24J2/40; H05B37/02	CARMANAH TECHNOLOGIES CORP [CA]	SOLAR POWERED DEVICES USING LOCATION-BASED ENERGY CONTROL AND METHOD FOR OPERATION OF SOLAR POWERED DEVICES.
MX2012000983 A 20120420	KR20110102441 20111007	F24J2/02; A47J37/00; F24J2/05	W & E INTERNAT CANADA CORP [CA]	SOLAR COOKING RANGE AND APPLIANCES.

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MX2012000985 A 20120420	KR20110109547 20111025	F24J2/02; A47J27/00; A47J36/24; F24J2/05	W & E INTERNAT CANADA CORP [CA]	SOLAR COOKING APPLIANCES.
MX2012000987 A 20120420	KR20110111795 20111031	F24J2/02; A47J27/00; A47J31/44; A47J36/24; F24J2/04; F24J2/42; F24J2/54	W & E INTERNAT CANADA CORP [CA]	SOLAR COFFEE/TEA MAKER AND COOKING APPLIANCES.
MX2012002197 A 20120316	KR20110112223 20111031	F24J2/54; F24J2/38	INDRA SIST S S A [ES]	SOLAR TRACKER FOR ORIENTING SOLAR PANELS.
MX2012004710 A 20120523	KR20110118649 20111115	H01L31/042; F24J2/52; H01L31/048	DOW GLOBAL TECHNOLOGIES LLC [US]	A DIRECT MOUNTED PHOTOVOLTAIC DEVICE WITH IMPROVED FRONT CLIP.
NL1038176C C 20120221	KR20110121491 20111121	F24J2/52; H01L31/042	AQUASERIA B V [NL]	WERKWIJZE EN INRICHTING VOOR HET OPSTELLEN VAN ZONNEPANELEN.
NL1038348C C 20120502	KR20110124406 20111125	F24J2/04	BERG LAURENTIUS LEONARDUS [NL]	OPSLAG EN BENUTTING VAN ZONNE- ENERGIE DOOR MIDDEL VAN VOORZETRAMEN, GEBRUIK VAN VLOEISTOFKOELLEIDINGEN. RAAMDORPELKAPPEN, VOORZETRAMEN IN DE VORM VAN FOLIE OP ROL EN VOORZETRAMEN IN DE VORM VAN DOORZICHTIGE ROLLUIKEN.
NL2005101C C 20120117	KR20110125990 20111129	A01G9/14; F24J2/08; F24J2/54	SIKA ENERGY B V [NL]	ZONNECOLLECTORINRICHTING EN BOUWCONSTRUCTIE OMVATTENDE EEN DERGELIJKE ZONNECOLLECTORINRICHTING.
NL2005311C C 20120306	KR20110135735 20111215	F24J2/54	EEUWES THEODORUS MARIA [NL]; ADOLFS THEODORUS STEPHANUS MARIA [NL]	ZONNEPANEELSAMENSTEL.
NL2005339C C 20120313	KR20110142721 20111226	F24J2/46	UBBINK B V [NL]	THERMISCH PANEEL.
NL2005497C C 20120412	KR20120003304 20120111	F24J2/52; H01L31/042	VALK SYSTEMEN B V V D [NL]	BEVESTIGINGSSYSTEEM VOOR ZONNEPANELEN.

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NL2005826C C 20120608	KR20120006381 20120119	F24J2/52; F24J2/54; H01L31/042; H01L31/045	WEVER JOHANNES LIEUWE [NL]	FRAME SYSTEM FOR FIXING PANELS AT AN ANGLE ON THE GROUND.
NL2006117C C 20120514	KR20120010517 20120131	F24J2/52; F24J2/54; H01L31/042	KRANENDONK INV S HOLDING B V VAN [NL]	SOLAR ENERGY SYSTEM.
NL2007051 A 20120109	KR20120014319 20120213	E04D13/18; F24J2/52	SCHUURMAN BEHEER B V [NL]	MONTAGE VAN SOLAR PANELEN OP PLATTE DAKEN.
NL2007267C C 20120724	KR20120026293 20120314	E04D3/32; E04D3/365; E04D3/38; E04D12/00; E04D13/18	DRS B J PRENGER BEHEER B V [NL]	DAKPLAAT, WERKWIJZE VOOR HET PLAATSEN HIERVAN, DAKBEDEKKING, DAK EN GEBOUW.
NO20101606 A 20120517	KR20120059589 20120604	F24J2/04; F24J2/20; F24J2/46	AVENTA AS [NO]	ARRANGEMENT FOR A SOLAR COLLECTOR PLATE, SOLAR COLLECTOR PLATE, SOLAR COLLECTOR MODULE, AND SOLAR COLLECTOR SYSTEM
NO331445B B1 20120102	KR20120062092 20120611	F28D9/00; F24J2/20; F28F3/06	HIFORM AS [NO]	Varmeveksler
NO332428B B1 20120917	KR20120062178 20120611	F03G6/06; F24J2/15	HELISO AS [NO]	Konisk skrastilt solkoker
NZ575404 A 20120224	MX20100009122 20100819	F28D1/02; F24H1/00; F24J2/42; F28D20/00; F28F1/00	RHEEM AUSTRALIA PTY LTD [AU]	A water heater heat exchange element with a ducting section that is inclined in respect to the horizontal
NZ577339 A 20120525	MX20100012070 20101026	F24D5/02; F24D12/02; F24D19/10; F24F5/00; F24F7/04; F24J2/42	TO IP HOLDING COMPANY PTY LTD	HEATING AND COOLING SYSTEM
NZ591705 A 20120629	MX20100012078 20101026	F24D11/00; F24H7/04; F24J2/34; F28D20/00	RONALD THEAKER	HEATING SYSTEM WITH TRANSFER OF HEAT BETWEEN A SOLAR ENERGY COLLECTOR, A FOUNDATION SLAB AND A HEAT CORE BELOW THE FOUNDATION SLAB
PE00852012 A1 20120208	MX20100013026 20101129	C03C17/36; F24J2/48	ABENGOA SOLAR NEW TECH SA [ES]	RECUBRIMIENTO ABSORBENTE SELECTIVO SOLAR Y METODO DE FABRICACION

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PE02332012Z Z 20120418	MX20100013715 20101213	F24J2/07	UNIV NAC DE INGENIERIA [PE]; HUAMAN PEREZ FERNANDO [PE]; MOSTACERO NATIVIDAD ALVIN ERICK [PE]; ADRIANO PENA ROLANDO WILDER [PE]	SISTEMA DE ALMACENAMIENTO TERMICO UTILIZANDO MATERIALES DE CAMBIO DE FASE (MCF) PARA USO EN NANO SATELITE
PL119371U U1 20120410	MX20100013961 20101216	F24J2/05	BOGUCKI ROMAN [PL]	Flat solar collector
PL391803 A1 20120116	MX20100014159 20101217	F24J2/05; F24J2/50	POLITECHNIKA GDANSKA [PL]	Solar collector
PL392019 A1 20120213	MX20100014419 20101221	F24J2/05; E04D13/18	AQUAEL JANUSZ JANKIEWICZ SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCI A [PL]	Modular solar collector
PL392063 A1 20120213	MX20100014431 20101221	F24J2/04	POLITECHNIKA GDANSKA [PL]	Method for increasing the heat transfer coefficient, especially in the solar slotted collector
PL392278 A1 20120312	MX20100014433 20101221	F24J2/04; E04D13/18	OLEK JERZY [PL]; PENCZEK JAN [PL]	Heat pump collector, polymer chamber panel and the use of the polymer chamber panel
PL392542 A1 20120410	NL20101038176 20100819	F24J3/08; F24J2/42	LENIK JERZY [PL]	Method for accumulating or receiving heat, especially the heat intended for heating or cooling the buildings
PL392913 A1 20120521	NL20101038348 20101101	B60K16/00; F24J2/08	PRZADKA KAZIMIERZ [PL]; RUCINSKA MONIKA [PL]	Set for converting solar energy into mechanical energy
PL392994 A1 20120604	NL20102005031 20100705; NL20112007051 20110705	F24J2/05; B21D39/03	SUNEX SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCI A [PL]	Solar collector with stainless steel frame

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PL393209 A1 20120618	NL20102005101 20100716	F24D11/00; F24F12/00; F24J2/42	KRAWCZYK WIESLAW PRZEDSIĘBIORSTWO BUDOWLANE EKSPORTOWO IMP OWE [PL]	Integrated system for heating, ventilation and air conditioning and domestic hot water heating in the low-energy building
PT1979688E E 20120308	NL20102005237 20100817; NL20112007267 20110816	F24J2/24; F24J2/07; F24J2/46; F28F27/02	SENER ING & SIST [ES]	THIN WALL HEADER WITH A VARIABLE CROSS-SECTION FOR SOLAR ABSORPTION PANELS
PT2010048578W W 20120119	NL20102005311 20100903	F24J2/04; F24J2/07	BABCOCK & WILCOX POWER GENERAT [US]	SHOP-ASSEMBLED SOLAR RECEIVER HEAT EXCHANGER
PT2161516E E 20120112	NL20102005339 20100910	F24J2/07; F24J2/38; F24J2/40; G01J1/42	NOVATEC SOLAR GMBH [DE]	SOLAR THERMAL ARRAY
PT2221556E E 20120208	NL20102005437 20101001	F24J2/46	SOLON SE [DE]	SOLAR ARRAY OF AT LEAST ONE SOLAR MODULE WITH A SPRING-LOADED BEARING OF THE COVER PLATE
PT2283282E E 20120228	NL20102005497 20101011	F24J2/50; C03C27/02; F24J2/05	TVP SOLAR S A [CH]	VACUUM SOLAR THERMAL PANEL WITH A VACUUM TIGHT GLASS-METAL SEALING
PT2302307E E 20120110	NL20102005662 20101110; NL20112006117 20110202	F24J2/12; G02B7/183	THOMAS LORENZ INDUSTRIETECHNIK GMBH & CO KG [DE]	PRECISION MIRROR WITH BONDED FINS
RO125043 B1 20120430	NL20102005826 20101207	F24J2/00; F24J2/04; F24J2/38	UNIV TRANSILVANIA DIN BRASOV [RO]	PORTABLE SOLAR INSTALLATION FOR HEATING WATER
RO127041 A2 20120130	NO20090002748 20090722; WO2010NO00255 20100630	F24J2/24	INST NATIONAL DE CERCETARE DEZVOLTARE PENTRU OPTOELECTRONICA INOE 2000 [RO]	SOLAR THERMAL PANEL
RO127127 A2 20120228	NO20090003299 20091106; WO2010NO00360 20101013	F24J2/24	INST NATIONAL DE CERCETARE DEZVOLTARE PENTRU OPTOELECTRONICA INST DE CERCETARI [RO]	SOLAR HEATER

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RS20100344 A2 20120430	NO20100001479 20101020	F24J2/54; F24J2/12	MIRIC DRAGOLJUB [RS]	PORTABLE SOLAR SYSTEM
RU2010128587 A 20120120	NO20100001606 20101116	F24J2/04	G OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA VORON G ARKHITEKTURNO STR NYJ [RU]	SOLAR HEAT COLLECTOR
RU2440539 C1 20120120	NO20100001613 20101116	F24J2/42	UCHREZH DENIE NII STR NOJ FIZ ROSSIJSKOJ AKADEMII ARKHITEKTURY I STR NYKH NAUK NIISF RAASN [RU]	METHOD TO CONVERT THERMAL ENERGY OF SUN AND/OR BIOGAS INTO ELECTRIC ENERGY
RU2440540 C1 20120120	NZ20080571724 20081006; WO2009NZ00212 20091005; NZ20090591705 20091005	F24J2/08; F24J2/42; F24J2/54	FUNG GIN DA EHNERDZHI SAJENS EHND TEKNOLODZHI KO LTD [TW]	PLANT FOR WATER HEATING WITH APPLICATION OF SOLAR ENERGY
RU2442083 C1 20120210	PE20100111020U 20101203	F24J2/08; F24J2/42; F24J2/54	FUNG GIN DA EHNERDZHI SAJENS EHND TEKNOLODZHI KO LTD [TW]	SOLAR POWER PLANT
RU2445554 C1 20120320	PL20100119371U 20100928	F24J2/42; F24J3/08	UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST GEOTERMII DAGESTANSKOGO NAUCHNOGO TSENTRA RAN [RU]	SYSTEM OF HEAT SUPPLY AND HOT WATER SUPPLY BASED ON RENEWABLE ENERGY SOURCES
SE1000950 A1 20120110	PL20100391803 20100712	C02F1/32; C02F1/02; F24J2/46	WADSTROEM PETRA [SE]	Anordning vid soldriven vattenreningsprocess, innefattande en UV/temperaturgivare
SE1050825 A1 20120123	PL20100392019 20100731	F24J2/04; E04B7/22; E04C2/288; E04C2/52	NILSSON LARS [SE]	Byggelement och dess användning



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SI2239525T T1 20120330	PL20100392063 20100805	F24J2/00	KIOTO CLEAR ENERGY AG [AT]	Closing cap
SK500012012U U1 20120503	PL20100392278 20100901	F24J2/54	ETOP TRADING A S [SK]	Adjustable load-bearing structure of solar panels
SK500312011 A3 20120503	PL20100392542 20100929	F24J2/38; H01L31/045	GOLDENSUN SLOVAKIA S R O [SK]	Solar device for energy efficiency increasing of photovoltaic and photothermic systems
SK842010 A3 20120302	PL20100392913 20101110	F24J2/36; F24J3/08; H01L31/052	FKKP S R O [SK]	Tempering system
TW201200823 A 20120101	PL20100392994 20101122	F24J2/38	KAOHSIUNG MUNICIPAL KAOHSIUNG GIRLS SENIOR HIGH SCHOOL [TW]	Automatic sun tracking solar energy device
TW201200824 A 20120101	PL20100393190 20101209	F24J2/52	NIPPON STEEL CORP [JP]	Sheet body supporting frame
TW201205014 A 20120201	PL20100393209 20101210	F24J2/38	WEI SHENG INVEST & DEV CO LTD [CN]	Automatic inclination compensation method for sun-tracking solar panel and device thereof
TW201205015 A 20120201	PT20050103300 20050630; WO2005PT00014 20050914	F24J2/38	AUSSMAK OPTOELECTRONICS CORP [TW]	Solar cell system
TW201205016 A 20120201	PT20090104694 20090728; WO2010PT00034 20100721	F24J2/46	XIE YING-JUN [TW]	Solar heat collector
TW201207209 A 20120216	RO20090000284 20090401	E04H1/00; E01D19/02; F03B13/14; F24J2/00	ZHANG JIAHUANG [US]	United building
TW201207329 A 20120216	RO20100000626 20100720	F24J2/10; F24J2/52	WU JENG-SHIUN [TW]	Light concentrator module with cramped reflector
TW201207330 A 20120216	RO20100000742 20100816	F24J2/34; F28D19/02	MAGALDI IND SRL [IT]	Storing and transport device and system with high efficiency
TW201207331 A 20120216	RSP20100344 20100729	F24J2/52; H01L31/042	AU OPTRONICS CORP [TW]	Support frame and photovoltaic panel module and system using the same

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TW201209356 A 20120301	RU20100128587 20100709	F24J2/00; F24H1/00; F24J3/00	LIN KUO-PIN [TW]; MEI JIN JIAN ER [JP]	Electric symbiotic system
TW201209357 A 20120301	RU20100135098 20100820	F24J2/04	TAI HUNG YANG IND CO LTD [TW]	Solar water heater
TW201209358 A 20120301	RU20100137013 20100907	F24J2/04	HUANG CHAO-LIN [TW]	Solar water heater
TW201209359 A 20120301	SE20090050949 20091209; WO2010SE51353 20101208	F24J2/05	ZENG GUO-MING [TW]	Vacuum [pi] conduit structure of heat exchanger
TW201209360 A 20120301	SE20100000950 20100923	F24J2/08; H01L31/052	CHANG KUNG-CHIEH [TW]	Sun-tracking-free light cylindrical condenser system
TW201209361 A 20120301	SE20100050825 20100722	F24J2/38; F24J2/54	CHUNG SHAN INST OF SCIENCE [TW]	Portable fully automatic sun tracking control device and method
TW201211473 A 20120316	SI20090030175 20090401	F24J2/00	CHIEN SHEN-HENG [TW]	Suspension type floating photovoltaic power plant
TW201211474 A 20120316	SI20100000312 20101011	F24J2/04; F24J2/40	UNIV FENG CHIA [TW]	Forced circulation solar energy water heater
TW201211475 A 20120316	SK20100000084 20100810	F24J2/04; E04B5/00; F24J2/20	YANG PHILE [TW]	Solar energy heating floor
TW201213753 A 20120401	SK20110050031 20100914	F24J2/06	NEW MAUYE TECHNOLOGY CORP [TW]	Structure of sun-tracking detective controller
TW201213754 A 20120401	SK20110050031 20100914; SK20100050073 20100914	F24J2/46; F24H9/12	NEW MAUYE TECHNOLOGY CORP [TW]	Structure of heat concentration container
TW201213755 A 20120401	SK20120050001U 20120104	F24J2/52; B63B35/44	SHIAH TZOAN-SHII [TW]	Two-dimensional floater arrays for photovoltaic solar energy collection from ocean
TW201215311 A 20120416	TW100200890U 20110114	A01G9/16; E04D13/18; F24J2/04	TOHO LEO KABUSHIKI KAISHA [JP]; JATO CO LTD TAIWAN BRANCH [TW]	Green roof construction equipment using solar panels

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TW201215829 A 20120416	TW100208501U 20110512	F24J2/04	UNIV CHUNG YAN CHRISTIAN [TW]	Solar collector device
TW201215830 A 20120416	TW100208807U 20110517	F24J2/04	YE EN-ZONG [TW]	Solar water heater device
TW201215831 A 20120416	TW100209098U 20110520	F24J2/38	ATOMIC ENERGY COUNCIL [TW]	The linked rod mechanism used in shutter-like solar tracker
TW201215832 A 20120416	TW100209867U 20110531	F24J2/52; H01L31/048	NEXPOWER TECHNOLOGY CORP [TW]	Solar cell panel and mounting system thereof
TW201216497 A 20120416	TW100212043U 20110701	H01L31/052; F24J2/06	NEO OPTIC TEK CO LTD [TW]	Modular structure for light convergence system and implementation method thereof
TW201217724 A 20120501	TW100212923U 20110714	F24J2/38	ATOMIC ENERGY COUNCIL [TW]	A method of sense sun tracker position for solar tracker control system with high accuracy
TW201217725 A 20120501	TW100212958U 20110714	F24J2/44	LIU GUO-XIONG [TW]; HONG SHU MIN [TW]	wherein the greenhouse effect generated by the sunlight irradiation and the heat convection inputted to the enclosed space from the air intake heating device are utilized to achieve the function of drying materials
TW201217726 A 20120501	TW100213206U 20110719	F24J2/52; H01L31/042	NIPPON STEEL CORP [JP]	Sheet body supporting frame
TW201219588 A 20120516	TW100213207U 20110719	C23C14/34; C23C14/56	IND TECH RES INST [TW]	Continuous-type sputtering apparatus and method of fabricating solar selective absorber
TW201221877 A 20120601	TW100213928U 20110728	F24J2/38	HSIEM HUNG-SHENG [TW]	The light source tracking device and method
TW201221924 A 20120601	TW100214562U 20110805	G01K13/00; F24J2/38; G01K3/00	CHENG CHING-HSIANG [TW]	Temperature sensor array, sun tracking carrier and solar structure
TW201224375 A 20120616	TW100214785U 20110810	F24H3/12; F24J2/24; F24J2/30	UNIV NAT CHUNGHSING [TW]	Thermal insulation device
TWM419899U U 20120101	TW100215814U 20110824	F24J2/52	EVER RICH SHAN DONG ENERGY CO LTD [CN]	Adjustable solar floating platform device apparatus
TWM419900U U 20120101	TW100216380U 20110902	F24J2/52	SUNNY RICH POWER CO LTD [TW]	Waterborne solar power device (I)

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TWM419901U U 20120101	TW100216381U 20110902	F24J2/52	SUNNY RICH POWER CO LTD [TW]	Waterborne solar power device (II)
TWM420672U U 20120111	TW100216581U 20110905	F24J2/04	LAI CHI-MING [TW]	Air conditioning system
TWM421480U U 20120121	TW100216582U 20110905	F24J2/38	TOPPER SUN ENERGY TECHNOLOGY CO LTD [TW]; LUO CHIA-CHING [TW]	Solar generator apparatus with elastically cable- controlled tracking
TWM421481U U 20120121	TW100216760U 20110907	F24J2/40	EVER RICH SHAN DONG ENERGY CO LTD [CN]	Surveillance system for solar energy system
TWM422053U U 20120201	TW100216947U 20110909	F24J2/04	LIN JUN-ZHOU [TW]	Multi-tube solar heat exchanger
TWM422054U U 20120201	TW100217194U 20110914	F24J2/46	YOUR HOME TECH LTD [TW]	Solar thermal collector with ventilation structure
TWM422055U U 20120201	TW100217245U 20110915	F24J2/52	YOUR HOME TECH LTD [TW]	Fixed combination structure for solar thermal collector and fixation rack
TWM422662U U 20120211	TW100217487U 20110919	F24J2/04	UNIV FAR EAST [TW]	Solar heat collector with concentric upright oval guiding pipe
TWM422663U U 20120211	TW100217783U 20110922	F24J2/04	UNIV FAR EAST [TW]	Solar heat collector with concentric horizontal oval guiding pipe
TWM422762U U 20120211	TW100217985U 20110926	H01L31/058; F24J2/24	WANG YI-DAN [TW]	Multi-functional solar energy water heater
TWM423227U U 20120221	TW100218596U 20111004	F24J2/00; F03D1/00	XU JIA-ZE [TW]	Solar-energy water heating device with wind powered heating auxiliary
TWM423228U U 20120221	TW100218597U 20111004	F24J2/00	SENN LIN IND CO LTD [TW]	Improved structure of solar collector panel
TWM423229U U 20120221	TW100218891U 20111007	F24J2/52	HULK ENERGY TECHNOLOGY CO LTD [TW]	Frame structure of solar energy module
TWM423816U U 20120301	TW100219031U 20111011	F24J2/52	LI YAN-ZHEN [TW]	Solar panel fixing frame structure
TWM424475U U 20120311	TW100219719U 20111020	F24J2/46	4G TECHNOLOGY CO LTD [TW]	Solar panel holding structure

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TWM424476U U 20120311	TW100220038U 20111025	F24J2/52	RICHERGENCY TECHNOLOGY CO LTD [TW]	Bearing plate
TWM424477U U 20120311	TW100220199U 20111027	F24J2/52	JOCHU TECHNOLOGY CO LTD [TW]; SUZHOU JOCHU PREC METAL CO LTD [CN]	Frame set of solar panel
TWM425255U U 20120321	TW100220583U 20111101	F24J2/46; F24J2/04	JIANG KUN-QUAN [TW]	Tri-pipe deflector type solar vacuum heat collecting tube
TWM425256U U 20120321	TW100220584U 20111101	F24J2/52	HSIUPING UNIVERSITY OF SCIENCE AND TECHNOLOGY [TW]	Angle adjustment device of solar energy module
TWM426007U U 20120401	TW100220601U 20111101	F24J2/00	BEST ENERGY SOLLUTION [TW]	Hot-water heater of solar energy
TWM426008U U 20120401	TW100220673U 20111102	F24J2/02	CHIEN KANG ENTPR COMPANY LTD [TW]	Heating device
TWM426009U U 20120401	TW100220815U 20111104	F24J2/40	TSINT [TW]; HUANG YUAN [TW]	Solar heating system with power feedback function
TWM426010U U 20120401	TW100221004U 20111107	F24J2/46	SHI YUN-NING [TW]; WANG YUN-MIN [TW]	Solar efficiency-enhancing condenser and its mirror
TWM426745U U 20120411	TW100221580U 20111115	F24J2/00	WANG JAU-SHENG [TW]	Functional solar energy heating device
TWM426746U U 20120411	TW100221925U 20111118	F24J2/46	WANG JAU-SHENG [TW]	Light concentration solar energy heating device
TWM426747U U 20120411	TW100223180U 20111208	F24J2/46	YOUR HOME TECH LTD [TW]	Vacuum heat absorbing tube with inner heat absorber
TWM426748U U 20120411	TW100223184U 20111208	F24J2/52	YOUR HOME TECH LTD [TW]	Assembly type reinforced rack for solar thermal collector
TWM426749U U 20120411	TW100223204U 20111209	F24J2/52	WANG HUI-LING [TW]	Mounting bracket device for solar thermal collector
TWM426750U U 20120411	TW100223254U 20111209	F24J2/52	YUNG FA STEEL & IRON IND CO LTD [TW]	Adjustable solar panel rack
TWM427545U U 20120421	TW100223546U 20111214	F24J2/00; G02B6/42; G02B7/02	MARVELS SOLAR CO LTD [TW]	High-energy solar light-guiding system

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TWM427546U U 20120421	TW100223549U 20111214	F24J2/00	KUNSHAN JUE CHUNG ELECTRONICS CO LTD [CN]	Multi-segment heat-pipe-type solar energy collector
TWM427547U U 20120421	TW100224237U 20111222	F24J2/38	FUNG GIN DA ENERGY SCIENCE AND TECHNOLOGY CO LTD [TW]	Thermal energy generation device with sun-tracking and light-focusing functions
TWM427548U U 20120421	TW101201416U 20120119	F24J2/38	FUNG GIN DA ENERGY SCIENCE AND TECHNOLOGY CO LTD [TW]	Electrical energy generation device capable of chasing the sun for focusing light
TWM427549U U 20120421	TW101201485U 20120120	F24J2/52	LIAN SHUI-YANG [TW]	Solar panel framework structure of electric vehicle
TWM427978U U 20120501	TW101201937U 20120203	B01D61/02; F03G5/00; F24H1/00; F24J2/00; H02J7/00	NAT UNIV CHIN YI TECHNOLOGY [TW]	Disaster relief system of supplying drinking water and electricity
TWM428339U U 20120501	TW101202211U 20120207	F24J2/04	UNIV CHENG SHIU [TW]	Photovoltaic-type solar water heater
TWM428340U U 20120501	TW20100121035 20100628	F24J2/46	WANG DAI-CHYI [TW]	Mobile solar power station
TWM429074U U 20120511	TW20100121653 20100701	F24J2/06	LIN BIN-JIH [US]; LIN YUAN-TSEH [TW]; CHEN CHUN-YU [TW]; TSAI YUN-CHEN ALAN [US]; LIN HSIUE-CHENG [TW]	Solar vehicle equipped with high efficient power system
TWM429075U U 20120511	TW20100123791 20100720	F24J2/40	HOME MARK CO LTD [TW]	Hot water supply system having management system
TWM429847U U 20120521	TW20100124022 20100721	F24J2/05; F24J2/06	LIU GUO-XIONG [TW]; HONG SHU MIN [TW]; ZHUANG SHENG HUI [TW]	Solar energy hot water tank
TWM429848U U 20120521	TW20100124443 20100723	F24J2/38	MOTECK ELECTRIC CORP [TW]	Solar tracking system

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TWM430587U U 20120601	TW20100124945 20100728	F24J2/38	UNIV SOUTHERN TAIWAN [TW]	Positioning sun tracking device of solar energy panel
TWM431306U U 20120611	TW20100125545 20100802	F24J2/04	KUNSHAN JUE CHUNG ELECTRONICS CO LTD [CN]	Heat pipe solar collector and sealing structure thereof
TWM431307U U 20120611	TW20100125807 20100803	F24J2/40; H01L31/045	CHUNG SHAN INST OF SCIENCE [TW]	Opening and closing device of portable solar panel
TWM431308U U 20120611	TW20100126491 20100809	F24J2/52	XIE DE-REN [TW]	Fixture frame bar and frame of solar panel and solar energy power generating system
TWM431495U U 20120611	TW20100127268 20100816	H02J7/00; F24J2/00	UNIV NAN KAI TECHNOLOGY [TW]	The thermal means with solar auxiliary power
TWM432018U U 20120621	TW20100127270 20100816	F24J2/04	DAYEH UNIVERSITY [TW]	Heat pump water heater with multimode operation of solar energy and air energy
US2012000458 A1 20120105	TW20100127910 20100819	F24J2/04	ZHANG DUANQIAO [CN]; ZHANG DEMIN [CN]; CHEN BIN [CN]; SONG YIZHI [CN]; XU GUOQIANG [CN]; LI DECHENG [CN]; LI JIN [CN]	Tankless Solar Water Heater
US2012000503 A1 20120105	TW20100127913 20100820	H01L31/042	LIN WEN-PIN [TW]	POWER BRICK ASSEMBLY CAPABLE OF GENERATING A MECHANICAL ROTARY POWER OUTPUT USING SOLAR ENERGY
US2012001046 A1 20120105	TW20100128612 20100826	H01L23/12	ENERGIEBAU SOLARSTROMSYSTEM E GMBH [DE]	ADAPTER FOR SUPPORT PROFILES
US2012006317 A1 20120112	TW20100129001 20100830	F24J2/38; F24J2/00	SADE ROVSHAN [US]	Solar Tracker
US2012006318 A1 20120112	TW20100129593 20100902	F24J2/38	IBM [US]	METHOD OF CONCENTRATING SOLAR ENERGY
US2012006319 A1 20120112	TW20100129995 20100906	F24J2/26; B21D53/02	ZYRUS BETEILIGUNGSGMBH & CO PATENTE I KG [DE]	SOLAR COLLECTOR AND METHOD FOR MANUFACTURING SUCH A SOLAR COLLECTOR

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US2012011850 A1 20120119	TW20100130182 20100907	F03G6/06; F24J2/04; F24J2/10; F24J2/38; G02B5/08	HEBRINK TIMOTHY J [US]; CLEAR SUSANNAH C [US]; GILBERT LAURENCE R [US]; WEBER MICHAEL F [US]; YU TA-HUA [US]; SHERMAN AUDREY A [US]	BROADBAND REFLECTORS, CONCENTRATED SOLAR POWER SYSTEMS, AND METHODS OF USING THE SAME
US2012012101 A1 20120119	TW20100132295 20100924	F24J2/40; F24J2/52	TRUJILLO SALOMON [US]; FUKUBA DANIEL [US]; CURRIER THOMAS [US]; BOKHARI WASIQ [US]	ROBOTIC HELIOSTAT SYSTEM AND METHOD OF OPERATION
US2012012102 A1 20120119	TW20100132903 20100929	F24J2/26; F24J2/46; F24J2/48	MITAKA KOKI KK [JP]	SOLAR POWER CONCENTRATING SYSTEM
US2012012157 A1 20120119	TW20100133207 20100930	H01L31/052; F24J2/38; H01L31/058	UNIV MADRID POLITECNICA [ES]	SYSTEM OF MOBILE SOLAR PANELS FOR CONSTRUCTION
US2012014006 A1 20120119	TW20100133540 20101001	G02B5/10; B23Q17/00	HERNIAK EDWARD [CA]	QUASI-PARABOLIC SOLAR CONCENTRATOR AND METHOD
US2012015147 A1 20120119	TW20100134285 20101008	B32B5/16; B05D5/12; F24J2/02; H01L31/052	MAA JER-SHEN [US]; HERMAN GREGORY S [US]; VOUTSAS APOSTOLOS T [US]	Solution Process for Fabricating a Textured Transparent Conductive Oxide (TCO)
US2012017590 A1 20120126	TW20100134588 20101011	F03G6/06; F24J2/04; F24J2/08; F24J2/12; F24J2/50	HOWARD BRIAN [CY]	SOLAR FURNACE
US2012017886 A1 20120126	TW20100134760 20101012	F24J2/42	BRADFORD WHITE CORP [US]	SOLAR HEATING SYSTEM WITH BACK-UP ELECTRIC HEATING
US2012017887 A1 20120126	TW20100135103 20101014	F24J2/05	AHNERT AXEL [DE]; AHNERT PETER [DE]	RECEIVER PIPE
US2012017888 A1 20120126	TW20100135881 20101021	F24J2/04; F24J2/02	GARZA JORGE A [US]	Solar Energy Device
US2012017889 A1 20120126	TW20100135885 20101021	F24J2/02; B23P17/04; B23Q11/00; B24C1/00	HACK UDO [DE]	METHOD FOR THE PRODUCTION OF A CERAMIC ABSORBER MEMBER FOR SOLAR RADIATION, AND ABSORBER MEMBER



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US2012019935 A1 20120126	TW20100136052 20101022	G02B17/08; G02B3/08	HON HAI PREC IND CO LTD [TW]	LIGHT RAY CONCENTRATION DEVICE
US2012024282 A1 20120202	TW20100137795 20101103	F24J2/40	BRIGHTSOURCE IND ISRAEL LTD [IL]	METHOD AND CONTROL SYSTEM FOR OPERATING A SOLAR POWER TOWER SYSTEM
US2012024283 A1 20120202	TW20100139218 20101115	F24J2/50	SKILLMAN DALE N [US]	Hybrid Solar Thermal and Photovoltaic Collector
US2012024372 A1 20120202	TW20100141045 20101126	H01L31/04; F24J2/04; F24J2/30	DELGADO DOMINGO [US]	SOLAR OPERATED WATER HEATER
US2012031094 A1 20120209	TW20100141459 20101130	F03G6/06; F24J2/05; F24J2/10; F24J2/24	NEM B V [NL]	SOLAR RECEIVER HAVING BACK POSITIONED HEADER
US2012031095 A1 20120209	TW20100143287 20101210	F24J2/07; B21D53/02; F03G6/06; F24J2/12; F24J2/22	AIRLIGHT ENERGY IP SA [CH]	ABSORBER PIPE FOR THE TROUGH COLLECTOR OF A SOLAR POWER PLANT
US2012031396 A1 20120209	TW20100143499 20101213	F24J2/18	PALO ALTO RES CT INC [US]	Luminescent Solar Concentrator With Distributed Outcoupling Structures And Microoptical Elements
US2012031467 A1 20120209	TW20100224099U 20101213	H01L31/055; F24J2/10	PALO ALTO RES CT INC [US]	Solar Energy Harvesting System Using Luminescent Solar Concentrator With Distributed Outcoupling Structures And Microoptical Elements
US2012036717 A1 20120216	UA20100010984 20100913	H01L31/18; H01L23/12	BELIKOFF MICHAEL A [US]; HARTELIUS JOHN [US]; MAHN CHRIS [US]	PHOTOVOLTAIC MODULE GROUND MOUNT
US2012036800 A1 20120216	US20020428928P 20021126	F24J2/52; H01L31/052	NOGLOTTE THIERRY [FR]	SOLAR PANEL DEVICE
US2012037100 A1 20120216	US20040935396 20040908; WO2005EP09593 20050907	F01P7/16	MCALISTER TECHNOLOGIES LLC [US]	METHODS AND SYSTEMS FOR ADAPTIVELY COOLING COMBUSTION CHAMBERS IN ENGINES
US2012037150 A1 20120216	US20070845929 20070828	E04D13/18; F24J2/04; F24J2/08; F24J2/26; F24J2/46; F24J2/48	GHEYRI CYROUS [US]	Convex Lens Solar Water Heating System

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US2012037151 A1 20120216	US20070974683 20071015; US20060853253P 20061020	F24J2/05; F16L39/00	MCENTEE PAUL THOMAS [GB]; PELAN RICHARD [GB]; MCCRACKEN CHRISTOPHER [GB]; DAVIS PATRICK ROBERT [GB]	SOLAR COLLECTOR
US2012042651 A1 20120223	US20080127298P 20080512; WO2009US43378 20090508	F03G6/06; F24J2/05; F24J2/12; F24J2/24; F24J2/48	BARKAI MENASHE [IL]	Hydrogen permeable pipe
US2012042867 A1 20120223	US20080197169P 20081024; US20090605241 20091023	F24J2/42	FAN PINLIAN [CN]	Re-Exchange Energy-Saving Building System
US2012042869 A1 20120223	US20080287196 20081008	F24J2/38; F24J2/00	SUNDROP FUELS INC [US]	METHODS AND SYSTEMS FOR A HELIOSTAT MIRROR AND SOLAR TRACKER ASSEMBLY
US2012042870 A1 20120223	US20090153253P 20090217; US20090237476P 20090827; US20100304403P 20100213	F24J2/00; F24J2/04	KOREA ENERGY RESEARCH INST [KR]	HOT BLAST HEATER USING SOLAR ENERGY
US2012042871 A1 20120223	US20090163459P 20090326; WO2010US28970 20100326	F24J2/05	KOREA ENERGY RESEARCH INST [KR]	APPARATUS FOR HEATING FLUID USING SOLAR ENERGY
US2012042872 A1 20120223	US20090187060P 20090615; WO2010IL00472 20100615	F24J2/05; F16L3/08; F24J2/24	MCENTEE PAUL THOMAS [GB]; PELAN RICHARD [GB]; MCSHEEHY STUART [GB]; DAVIS PATRICK ROBERT [GB]	SOLAR COLLECTOR

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US2012042873 A1 20120223	US20090222516P 20090702; WO2010US40739 20100701	F24J2/02	KOREA ENERGY RESEARCH INST [KR]	HEATING CABINET
US2012048259 A1 20120301	US20090224925P 20090713; WO2010IB52782 20100621	F24J2/40; F24J2/04	WAGNER & CO SOLARTECHNIK GMBH [DE]	SOLAR INSTALLATION
US2012048260 A1 20120301	US20090228480P 20090724; WO2010US43118 20100723	F24J2/05	BARKAI MENASHE [IL]	Getting Support Structure for a Solar Thermal Power Plant
US2012048262 A1 20120301	US20090229622P 20090729; WO2010US43712 20100729	F24J2/46	FOXSEMICON INTEGRATED TECH INC [TW]	SOLAR SHUTTER
US2012048263 A1 20120301	US20090235417P 20090820; WO2010EP61959 20100817	F24J2/46	JOHNSON DAVID [US]	HEATING APPARATUS FOR HEATING A DEFINED SPACE
US2012048351 A1 20120301	US20090239265P 20090902; WO2010US47431 20100901	H01L31/048; F24J2/52	SOLAR LIBERTY ENERGY SYSTEMS INC [US]	SOLAR PANEL RACKING ASSEMBLY
US2012048523 A1 20120301	US20090244083P 20090921; US20090180949P 20090526; US20090224925P 20090713; WO2010IB52337 20100526	F28F13/00	VENTURINI FRANCO [IT]	DEVICE FOR THERMAL SEPARATION BETWEEN A CONDITIONED ENVIRONMENT AND AT LEAST ONE EXTERNAL ENVIRONMENT

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US2012055462 A1 20120308	US20090244349P 20090921; US20090233667P 20090813; US20090231081P 20090804; WO2010US44313 20100803	F24J2/04	ORMAT TECHNOLOGIES INC [US]	SOLAR DERIVED THERMAL STORAGE SYSTEM AND METHOD
US2012055463 A1 20120308	US20090245250P 20090923; WO2010US50039 20100923	F24J2/10	FLEISCHMANN LEWIS W [US]	SOLAR COLLECTOR REFLECTOR SYSTEM
US2012060500 A1 20120315	US20090246054P 20090925; WO2010IB02590 20100923	F03G6/00; F24J2/04; F24J2/20; F24J2/48	ACCENDO ADVISORS LLC [US]	METHOD AND APPARATUS FOR COLLECTING SOLAR THERMAL ENERGY
US2012060826 A1 20120315	US20090249278P 20091007; WO2010US51817 20101007	F24J2/00; B32B7/00; H01B1/24	WEISENBERGER MATTHEW C [US]	THERMAL INTERFACE MATERIAL
US2012060827 A1 20120315	US20090249280P 20091007; WO2010US51815 20101007	F24J2/40; F24J2/00; F24J2/42	GEN ELECTRIC [US]	CONTROL FOR A TANKLESS WATER HEATER USED WITH A SOLAR WATER HEATING SYSTEM
US2012060828 A1 20120315	US20090249562P 20091007; US20100303615P 20100211; WO2010US51690 20101006	F24J2/40	HICKMAN ROBERT A [US]	Energy generation apparatus and method
US2012060829 A1 20120315	US20090253924P 20091022; WO2010US53193 20101019	F24H9/20; F24H1/18; F24J2/42; H05B1/02	GEN ELECTRIC [US]	ENERGY MANAGEMENT SYSTEM WITH SOLAR WATER HEATER

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US2012060830 A1 20120315	US20090253974P 20091022; WO2010US53193 20101019	F24J2/22; B21D53/02	O'GRADY BRENDAN J [US]	SOLAR THERMAL PANELS
US2012060898 A1 20120315	US20090253978P 20091022; WO2010US53189 20101019	H01L31/058; F24J2/24	AHLGREN RALPH B [US]; PETRY KLAUS [US]; FLORES A MICHAEL [US]	Self-contained, multi-fluid energy conversion and management system for converting solar energy to electric and thermal energy
US2012060899 A1 20120315	US20090265494P 20091201; WO2010EP68653 20101201	H01L31/058; F24J2/05	HELBIG JOERG [DE]	COLLECTOR FOR THE GENERATION OF ELECTRICAL AND THERMAL ENERGY
US2012061046 A1 20120315	US20090270526P 20090708; WO2010US41301 20100708	F24J2/00; B23P17/04; E04D13/18	GOODRICH BRETT [US]; DUCE DENNIS N [US]	INTERLOCKING ROOF MOUNTED HEAT-TRANSFER PANELS
US2012067336 A1 20120322	US20090274046P 20090811; WO2010US45240 20100811	F24J2/38; F24J2/52	ATOMIC ENERGY COUNCIL [TW]	Device for Supporting a Sun-Tracking Unit of a Photovoltaic Module
US2012067337 A1 20120322	US20090274888P 20090824; WO2010CN76298 20100824	F24J2/38; F24J2/46; H01L31/00	HALL DAVID R [US]; BOSWELL CRAIG [US]; GARDNER ERIC [US]; ALLRED DAVID [US]	Rotatable Panels on an Exterior of a Structure that Directs Solar Energy within the Structure
US2012067338 A1 20120322	US20090279602P 20091023; WO2010US53856 20101022	F24J2/38; F24J2/00; F24J2/04; F24J2/10; H01L31/058	101 CELSIUS LLC [US]	SOLAR ENERGY CONVERSION SYSTEM

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US2012067340 A1 20120322	US20090281819P 20091123; US20100341085P 20100325; US20100336780P 20100126; US20090284611P 20091221; WO2010US03046 20101123	F24J2/10	JOHNSON SCREENS INC [US]	Passive Solar Wire Screens for Buildings
US2012073563 A1 20120329	US20090291799P 20091231; WO2010EP70975 20101231	F24J2/00	ZURITIS MICHAEL [US]	SOLAR ARRAY COLUMN CAP
US2012073564 A1 20120329	US20090368327 20090210	F24J2/38	CHENG CHING-HSIANG [TW]; CHENG TSUNG- CHIEH [TW]; SHIH SHUN-JUNG [TW]; JU YIN-FU [TW]; YU YING- JU [TW]	AUTO-FOCUSING DEVICE FOR SOLAR HEAT ENERGY POWER GENERATORS AND POWER GENERATOR CLUSTER
US2012073566 A1 20120329	US20090371260 20090213; WO2009US36926 20090312	F24J2/36; F24J2/08	YEN JEN YEN [TW]	APPARATUS WITH A FOLDABLE LENS ASSEMBLY
US2012073568 A1 20120329	US20090384034 20090330	F24J2/05; G23C8/06; F24J2/48	APPLIED NANOSTRUCTURED SOLUTIONS [US]	METHODS FOR IN SITU DEPOSITION OF COATINGS AND ARTICLES PRODUCED USING SAME
US2012073569 A1 20120329	US20090416536 20090401; WO2010US29481 20100331	F24J2/08	HASSAN RAMZI [US]; HASSAN WALID [US]	Energy Redirecting Device
US2012075733 A1 20120329	US20090468997 20090520	G02B5/10; G02B5/08	UNIV NAGOYA NAT UNIV CORP [JP]; DENSO CORP [JP]	Light collector and light collecting device

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US2012080026 A1 20120405	US20090482100 20090610	F24J2/32	UNIV CALIFORNIA [US]	APPARATUS AND METHOD FOR SOLAR THERMAL ENERGY COLLECTION
US2012081806 A1 20120405	US20090485509 20090616; WO2008US55925 20080305; US20080188351 20080808	G02B5/10	VETRARIA BIANCADESE DI LUCATELLO & C SAS [IT]	SUPPORT STRUCTURE FOR SOLAR PLANTS
US2012083921 A1 20120405	US20090507019 20090721; WO2009US54904 20090825	G06F17/00; F24J2/00; F25B21/04	DRONEN MARK [US]; SHIELDS JAMES CRAWFORD [US]	SYSTEM FOR TRANSDUCING AND REDISTRIBUTING ENERGY
US2012085042 A1 20120412	US20090561559 20090917; US20080097820P 20080917; US20090151888P 20090212	E04B2/88; E04B1/70; F24J2/52	MACDONALD ROBERT B [CA]; MACDONALD PHILIP A [CA]	Wall Panel Systems for Rigid Wall Panels
US2012085341 A1 20120412	US20090574955 20091007; WO2010US51677 20101006	F24J2/04; F24J2/38	BRITLAND CURTIS [US]	Solar Thermal System

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US2012085643 A1 20120412	US20090581825 20091019; US20090653085 20091207; US20090237425P 20090827; US20090237466P 20090827; US20090237479P 20090827; US20100304403P 20100213; US20100312100P 20100309; US20090067044 20091207	C25B9/00; C25B15/08; G01N27/26	MCALISTER TECHNOLOGIES LLC [US]	ELECTROLYTIC CELL AND METHOD OF USE THEREOF
US2012090323 A1 20120419	US20090594935 20091006; US20100351586P 20100604; US20090255004P 20091026; US20090270122P 20090702; WO2010US40981 20100702	F03G6/06; F24J2/04; F24J2/38	ABENGOA SOLAR NEW TECH SA [ES]	Solar concentration plant for the production of superheated steam
US2012090597 A1 20120419	US20090622764 20091120; WO2010US55666 20101105	F24J2/40; F24J2/04	GEN ELECTRIC [US]	PUMP DRAINED SOLAR WATER HEATING SYSTEM



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US2012090598 A1 20120419	US20090644957 20091222; WO2010US61628 20101221; US201013380315 20101221	F24H9/20; F24H1/18; F24J2/42	RU XINGPENG [CN]; ZHU DONGWEI [CN]; SHAO XIAORONG [CN]; XU JIAN [CN]; YANG YINAN [CN]; LI ZHI [CN]	WATER HEATER HAVING A WATERWAY CHANGEOVER CONTROL APPARATUS AND METHOD FOR OPERATING THE SAME
US2012090599 A1 20120419	US20090653163 20091209	F24J2/22; F24J2/44	PARANA JEFFREY THOMAS [US]	SOLAR WINDOW HEATER
US2012091297 A1 20120419	US200913142467 20091229; US20080193824P 20081229; WO2009IL01225 20091229	F24J2/52; H01L31/048	SOLAR POWER PRODUCTS INC [CA]	SUPPORT FOR SOLAR PANELS
US2012092491 A1 20120419	US200913142910 20091221; US20080141338P 20081230; US20090178123P 20090514; WO2009US68944 20091221	H04N7/18	ESOLAR INC [US]	CALIBRATION AND TRACKING CONTROL OF HELIOSTATS IN A CENTRAL TOWER RECEIVER SOLAR POWER PLANT

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US2012097149 A1 20120426	US20100312100P 20100309; US20100841170 20100721; US20100841146 20100721; US20090653085 20091207; US20100841149 20100721; US20100804508 20100721; US20100841135 20100721; US20100804509 20100721; US20100804510 20100721; US20100304403P 20100213; WO2010US5436	F24J2/38; F24J2/00	DOYLE FINTAN J [US]	Solar Tracker for Solar Energy Devices
US2012097150 A1 20120426	US20100356882P 20100621; US20090243769P 20090918; US20090243763P 20090918; WO2010US49474 20100920	F24J2/54	D D SRL [IT]	Movement Mechanism and Solar Plant Using Said Mechanism
US2012097151 A1 20120426	US20100360802P 20100701	F22B33/18; F24J2/42	IHI CORP [JP]	STEAM SUPPLY APPARATUS
US2012097152 A1 20120426	US20100361506P 20100705	E04D13/18; F24J2/34	HUNTER DOUGLAS [US]	SOLAR HEATING BLOCKS

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US2012097214 A1 20120426	US20100361507P 20100705	H01L31/052; F24J2/38; G01J1/20	SUNPLUS MMEDIA INC [TW]	SOLAR TRACKING AND CONCENTRATION DEVICE
US2012097836 A1 20120426	US20100361509P 20100705	G01C21/00	ATOMIC ENERGY COUNCIL [TW]	Sun-Tracking System
US2012099325 A1 20120426	US20100362591P 20100708	F21V8/00; G02B5/08; G02B5/09; G02B5/10	BANYAN ENERGY INC [US]	REDIRECTING OPTICS FOR CONCENTRATION AND ILLUMINATION SYSTEMS
US2012102950 A1 20120503	US20100364064P 20100714	F03G6/06; F01K23/10; F24J2/04; F24J2/12; F24J2/30; F24J2/42	ALLIANCE SUSTAINABLE ENERGY [US]	SOLAR THERMAL POWER PLANT WITH THE INTEGRATION OF AN AERODERIVATIVE TURBINE
US2012103322 A1 20120503	US20100367093P 20100723	F24J2/38; F24J2/46; F24J2/52	CT SUISSE D ELECTRONIQUE ET DE MICROTECHNIQUE SA [CH]	Man Made Island With Solar Energy Collection Facilities
US2012103393 A1 20120503	US20100367550P 20100726	H01L31/052	UNIV NAT CENTRAL [TW]	SOLAR SENSING SYSTEM AND SOLAR TRACKING METHOD THEREOF
US2012111317 A1 20120510	US20100367625P 20100726	F24J2/38; F24J2/10; F24J2/52	STOUT ROBERT ANTHONY [US]	Seasonally Adjusting Apparatus for Collecting Solar Thermal Energy
US2012111318 A1 20120510	US20100371528P 20100806	F24J2/38	PARK YOUNG HWAN [KR]	APPARATUS FOR TRACKING AND CONDENSING SUNLIGHT OF WALL INSTALLATION TYPE
US2012111319 A1 20120510	US20100372358P 20100810; US201161478806P 20110425; US201161433078P 20110114; US20100392862P 20101013	F24J2/04	CLIMATEWELL AB PUBL [SE]	THERMAL SOLAR PANEL WITH INTEGRATED CHEMICAL HEAT PUMP
US2012111390 A1 20120510	US20100373357P 20100813	H01L31/052; F24J2/08	DAI TUNG-YI [TW]	HIGHLY CONCENTRATING SOLAR POWER GENERATION AND THERMAL COLLECTION APPARATUS

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US2012111393 A1 20120510	US20100377441P 20100826	H01L31/048; B23P11/00; B32B37/12; B32B37/14; H01L31/0203	CONLEY JOSHUA [US]; PERKINS JOHN [US]; FENG WENLAI [US]; TRUMAN THOMAS [US]; MONACO MICHAEL [US]; SHETTERLY DONIVAN [US]	INTEGRATED CARTRIDGE FOR ADHESIVE- MOUNTED PHOTOVOLTAIC MODULES
US2012111397 A1 20120510	US20100378301P 20100830	H01L31/0232; F21L4/00; F24J2/00; G02B3/00; G02B17/08; H01L31/02	UNIV CALIFORNIA [US]	KOHLER HOMOGENIZER FOR SOLAR CONCENTRATOR
US2012117896 A1 20120517	US20100378304P 20100830	F24J2/52; H01L31/048; H01L31/18	3FORM INC [US]	ARCHITECTURAL PANELS WITH ORGANIC PHOTOVOLTAIC INTERLAYERS AND METHODS OF FORMING THE SAME
US2012117968 A1 20120517	US20100378630P 20100831	F03G6/06; F16M13/02; F24J2/04	SHWARTZMAN YOEL [IL]	HEAT COLLECTION ELEMENT SUPPORT ELEMENT
US2012117986 A1 20120517	US20100385890P 20100923	F25B27/00; F24J2/04; F24J2/24; F24J2/30; F25B1/00	HAMMOND JAMES PETER [US]	Solar collector and solar air conditioning system having the same
US2012118378 A1 20120517	US20100387235P 20100928; US20100384643P 20100920	F24J2/24; F24J2/30; H01L31/024	GURIN MICHAEL [US]	Non-Linear Solar Receiver
US2012123720 A1 20120517	US20100389624P 20101004; US20100382798P 20100914	G06F19/00	FUKUBA DANIEL [US]; GOBLE JOS [US]; TRUJILLO SALOMON [US]; CURRIER THOMAS JOSEPH [US]; BOKHARI WASIQ [US]	ROBOTIC HELIOSTAT CALIBRATION SYSTEM AND METHOD
US2012124922 A1 20120524	US20100391463P 20101008	F24J2/52; B23P19/04; E04D13/18; E04H12/18	NORTHERN STATES METALS COMPANY [US]	SUPPORT SYSTEM FOR CARPORT WITH SOLAR PANELS
US2012125321 A1 20120524	US20100401613P 20100816	F24J2/30; F24J2/00	GRABOSKI TIMOTHY MICHAEL [US]	SOLAR HOT WATER AND RECOVERY SYSTEM

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
US2012125401 A1 20120524	US20100402161P 20100825	H01L31/052; F24J2/52; H01L31/058	DEVILLIER WILLIAM J [US]	Solar Collector Positioning Apparatus
US2012125404 A1 20120524	US20100402268P 20100826	H01L31/052; F24J2/52	DOS SANTOS TEIXEIRA RAMOS LEONEL JOSE [PT]	MODULAR SYSTEM FOR CONCENTRATION OF SOLAR RADIATION
US2012125582 A1 20120524	US20100406384P 20101025	F28F3/12	HIFORM AS PAL FRANCIS HANSEN [NO]	HEAT EXCHANGER OF THE PLATE TYPE
US2012126098 A1 20120524	US20100408749P 20101101; EP20100013797 20101020	G02B27/00; G01J1/44	BARTENBACH HOLDING GMBH [AT]	Light Guiding Device
US2012130056 A1 20120524	US20100411249P 20101108	C09B43/00	EMPIRE TECHNOLOGY DEV LLC [US]	TEMPERATURE CONTROL USING COMPOUND CAPABLE OF PHOTOISOMERIZATION
US2012131941 A1 20120531	US20100414168P 20101116	F25B27/00; F24D5/12; F24J2/24; F24J2/30	ACKNER RICHARD [US]; BURKE HOWARD [US]	SYSTEM AND METHOD FOR INCREASING THE EFFICIENCY OF A SOLAR HEATING SYSTEM
US2012132194 A1 20120531	US20100414376P 20101116	F24J2/38	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	DEVICE FOR GUIDING SOLAR RADIATION
US2012132195 A1 20120531	US20100416841P 20101124	F24J2/04; F24J2/05; F24J2/30; F24J2/34; F24J2/42	CHEN CHENGJUN JULIAN [US]; GORDON CLARK THEODORE [US]	Convection Driven Two-Component Solar Water Heater Using All-Glass Evacuated Tubes with a Heat Separator
US2012132254 A1 20120531	US20100421047P 20101208	H01L31/052; F24J2/52	AHARON OREN [IL]	SOLAR TRACKER DEVICE
US2012132259 A1 20120531	US20100421626P 20101209; US20100421629P 20101209	H01L31/058; F24J2/24	WILKINSON BRIAN [CA]	COLLECTOR MODULE FOR A SOLAR THERMAL SYSTEM
US2012132398 A1 20120531	US20100421862P 20101210	F28D15/00	JETER SHELDON M [US]; STEPHENS JACOB H [US]	SYSTEMS AND METHODS OF THERMAL ENERGY STORAGE AND RELEASE

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
US2012138047 A1 20120607	US20100707651 20100217; US20100707653 20100217; US20100707656 20100217; US20090237476P 20090827; US20100304403P 20100213; US20100024497 20100217; US20100024498 20100217; US20100024499 20100217	F24J2/34; F24J2/10; G02B5/10	ASHKIN ARTHUR [US]	Compound Collector System For Solar Energy Concentration
US2012138549 A1 20120607	US20100707653 20100217; WO2010US24499 20100217; US20100707656 20100217; WO2010US24497 20100217; US20090237476P 20090827; US20100707651 20100217; US20100304403P 20100213; WO2010US24498 20100217; WO2010US45664 20100816	F24J2/52	LG HAUSYS LTD [KR]	PHOTOVOLTAIC MODULE ATTACHED TO GUARDRAIL

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US2012145125 A1 20120614	US20100755355 20100406; US20090167386P 20090407	F02M69/04	MCALISTER ROY E [US]	FUEL INJECTOR ACTUATOR ASSEMBLIES AND ASSOCIATED METHODS OF USE AND MANUFACTURE
US2012145142 A1 20120614	US20100804510 20100721; US20090581825 20091019; US20080006774 20080107; US20090653085 20091207; WO2009US67044 20091207; US20090237425P 20090827; US20090237479P 20090827; US20090238466P 20090831; US20090237466P 20090827; US20100304403P 20100213; US2010031	F24J2/24; B23P15/26; F24J2/42	CLARK REUBEN [US]; WEISE GARY K [US]	Solar Panel and Method for Heating Pools and Spas
US2012145145 A1 20120614	US20100807606 20100909	F24J2/34	W & E INTERNAT CORP [CA]	SOLAR COOKING APPLIANCES
US2012145220 A1 20120614	US20100830907 20100706	H01L31/052; G02B27/14	HON HAI PREC IND CO LTD [TW]	DICHROIC MIRROR HAVING TRANSPARENT BONDING LAYER AND SUNLIGHT COLLECTING DEVICE HAVING SAME
US2012145223 A1 20120614	US20100833097 20100709	H01L31/058; E04D13/18; F24J2/22; F24J2/48; F28F3/12	WEEKLEY JOHN C [US]	SOLAR THERMAL ENERGY COLLECTOR

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US2012145227 A1 20120614	US20100836300 20100714	H01L31/048; H01L23/32	JUN JINHYUNG [KR]; AHN JINHYUNG [KR]; LEE SUNGEUN [KR]; SON JEONGHUN [KR]	FRAME SYSTEM FOR SOLAR CELL MODULE
US2012147443 A1 20120614	US20100839479 20100720	G02B5/32	SAMSUNG ELECTRONICS CO LTD [KR]	SOLAR LIGHT CONCENTRATION PLATE
US2012152232 A1 20120621	US20100840572 20100721	F28D17/00; F24J2/40; F28D17/04	COLIPU AS [DK]	ENERGY SYSTEM WITH A HEAT PUMP
US2012152235 A1 20120621	US20100840946 20100721	F24J2/24; F24J2/26	EZAWA KAZUAKI [JP]; TSUTSUI NOBUYUKI [JP]; TOMOYASU SUMINAO [JP]	SOLAR LIGHT CONDENSING SYSTEM
US2012152318 A1 20120621	US20100841360 20100722; US20090228440P 20090724; WO2010US42991 20100723	H01L31/052; B65D88/10	KEE SEUNG CHEOL [KR]	WATER TANK HAVING A POWER- GENERATING FUNCTION
US2012154941 A1 20120621	US20100846259 20100729	G02B5/10	UNIV BAR ILAN [IL]	COLLECTOR AND CONCENTRATOR OF SOLAR RADIATION
US2012158186 A1 20120621	US20100846365 20100729	G05D23/00	BUSCH ROLAND [DE]; KRUG FLORIAN [DE]	METHOD AND ARRANGEMENT FOR MONITORING A COMPONENT
US2012159878 A1 20120628	US20100846621 20100729	E04D13/18; E04B1/38; F24J2/04	PAO FRANK [US]	OPTIMIZED BUILDING INTEGRATED HYBRID ROOFING SYSTEM
US2012160231 A1 20120628	US20100846621 20100729; US20100846644 20100729; US20100846686 20100729; US20100957808 20101201	F24J2/42	ROSENE RICHARD C [US]; ROSENE LORA J [US]	FLOATING SOLAR POOL HEATER



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US2012160232 A1 20120628	US20100846644 20100729	F24J2/24; F24J2/10; F24J2/26; F24J2/46; F24J2/52	mitsubishi heavy ind LTD [JP]	SOLAR CONCENTRATING HEAT RECEIVER AND SYSTEM THEREOF
US2012160233 A1 20120628	US20100846686 20100729	F24J2/26; B21D53/02	YUAN YUDIE [CA]; HUNTER JOHN ANTHONY [CA]	SOLAR ENERGY ABSORBER UNIT AND SOLAR ENERGY DEVICE CONTAINING SAME
US2012160235 A1 20120628	US20100848072 20100730	F24J2/52; B21D53/02; F16M13/00	ACCIONA SOLAR POWER INC [US]	SPACE FRAME FOR A SOLAR COLLECTOR
US2012160302 A1 20120628	US20100849604 20100803	H01L31/058; F24J2/04; F24J2/10	CITRON JEFFREY MICHAEL [US]	TROUGH SHAPED FRESNEL REFLECTOR SOLAR CONCENTRATOR
US8091544 B1 20120110	US20100849606 20100803	F24J2/10	LOCKHEED CORP [US]	Solar light collector assembly having a clamp arrangement for attaching a mirror to a frame truss
US8096294 B1 20120117	US20100850862 20100805	F24J2/36	JENKINS RICHARD D [US]	Spa water heating apparatus and method
US8096295 B1 20120117	US20100853266 20100809	F24J2/30	EYAL VICTOR A [US]	Solar panel having polycarbonate sheet covering
US8097218 B1 20120117	US20100853270 20100809	B01J8/00; E04D13/18; F24J2/08; H02N6/00	MANAUGH THOMAS [US]	System for generating electricity from alternative energy sources located on a floating platform
US8109265 B1 20120207	US20100856843 20100816; US20080074021 20080301	F24J2/00	SANDIA CORP [US]	Suction-recirculation device for stabilizing particle flows within a solar powered solid particle receiver
US8111460 B1 20120207	US20100857536 20100816	F24J2/46; F24J2/38	UNIV NAT TAIPEI TECHNOLOGY [TW]	SOLAR TRACKING SKYLIGHT SYSTEM FOR ILLUMINATION
US8122878 B1 20120228	US20100858036 20100817	F24J2/38	ENERGY INNOVATIONS [US]	Solar concentrator with camera alignment and tracking
US8151787 B1 20120410	US20100858722 20100818	F24J2/38	SIVERT PATRICK RICHARD [US]	Solar device control apparatus with device interchangeability
US8152608 B1 20120410	US20100876696 20100907	F24F7/007; B23P19/04; F24J2/46	HAMBY AUBREY EUGENE [US]	SOLAR ENERGY INTERCEPT AND WASTE HEAT RECOVERY SYSTEM
US8168931 B1 20120501	US20100876969 20100907	G01J1/20; B66F3/24; F24J2/40	CONCRETE SYSTEMS INC [US]	Solar tracking device

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US8196572 B1 20120612	US20100883076 20100915	F24J2/38; F24J2/50; H02N6/00	EDMUNDS DAVID [US]	Solar panel cone with rotating mirror
US8201382 B1 20120619	US20100887631 20100922	H01L31/048; E04D13/18; F24J2/04	PAO FRANK [US]	BUILDING INTEGRATED THERMAL ELECTRIC HYBRID ROOFING SYSTEM
WO2012001162 A2 20120105	US20100889279 20100923	F24J2/52; E04B1/26; E04D3/02; E04D13/18; H01L31/042	TENESOL [FR]; MICALLEF YANN [FR]; CARRE GUILLAUME [FR]	INSTALLATION FOR COLLECTING SOLAR ENERGY
WO2012001183 A1 20120105	US20100889570 20100924; US20100401666P 20100817	F24J2/07; F03G6/06	ABENGOA SOLAR NEW TECH SA [ES]; NUNEZ BOOTELLO JUAN PABLO [ES]; SOSA NARANJO CRISTINA [ES]; MONNE BAILO CARLOS MIGUEL [ES]; MORENO GOMEZ FRANCISCO [ES]; MUNOZ RODRIGUEZ MARIANO [ES]	COIL SOLAR RECEIVER FOR A STIRLING DISK AND METHOD FOR MANUFACTURING SAME
WO2012001198 A2 20120105	US20100889676 20100924	F24J2/26	CUPA INNOVACION S L U [ES]; FERNANDEZ FERNANDEZ JAVIER [ES]	COVER PANEL THAT COLLECTS SOLAR ENERGY
WO2012001649 A1 20120105	US20100890674 20100926	F24J2/38	THUPELA CARBON CC [ZA]; MITCHELL MARK NOLAN [ZA]; CALCOTT PHILIP DOUGLAS JOHN [ZA]	A SYSTEM FOR AND METHOD OF MANUALLY ADJUSTING A PHOTOVOLTAIC PANEL ASSEMBLY
WO2012002719 A2 20120105	US20100891754 20100927	F24J2/08; F24J2/06	SOLARSIDO CO LTD [KR]; KIM CHOONG-HYUN [KR]	APPARATUS FOR CONCENTRATING SOLAR ENERGY, AND SOLAR MODULE COMPRISING SAME
WO2012002788 A1 20120105	US20100894491 20100930; US20100886724 20100921	F24J2/34	PIECK GOCHICOA JAVIER DEL SAGRADO CORAZON [MX]	SOLAR WATER HEATER

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WO2012003432 A2 20120105	US20100895340 20100930	F24J2/06	GILES PATTY-FU [US]	CONTROLLED-RELEASE ANTIBIOTIC NANOPARTICLES FOR IMPLANTS AND BONE GRAFTS
WO2012003508 A2 20120105	US20100896135 20101001	F01D1/34; F01D15/10; F01D25/24	SOLAR LOGIC INC [US]; BOHL GREGORY [US]; GERMANO FRANK [US]; DORANTES MARTIN [US]	BLADELESS TURBINE
WO2012003585 A1 20120112	US20100908778 20101020	G02B7/00; F16M1/00; F16M11/00; F16M11/12; F24J2/38; F24J2/54; G09F7/00; H01L31/042	LESSARD GEORGE GREGORY [CA]	SOLAR PANEL DEPLOYMENT SYSTEM
WO2012004124 A2 20120112	US20100912918 20101027	F24J2/52	SFS INTEC HOLDING AG [CH]; STEFFEN MARKUS [CH]	DEVICE FOR SECURING A SUPPORT STRUCTURE TO A FLAT ROOF
WO2012004435 A1 20120112	US20100916066 20101029	F24J2/46; B08B3/02	MENDEZ DE LA CUESTA RAFAEL MA [ES]	CLEANING DEVICE FOR PHOTOVOLTAIC PANELS AND SOLAR THERMAL PANELS
WO2012004542 A2 20120112	US20100917051 20101101	H01L31/042; E04D13/14; E04D13/18; F24J2/52; H01L31/048	SOPREMA SASU [FR]; BINDSCHEDLER PIERRE ETIENNE [FR]; FULCRAND DAMIEN [FR]; PERRIN REMI [FR]; DESGUILLES HENRI [FR]	DEVICE FOR SUPPORTING AND ATTACHING PANELS OR THE LIKE, AND ROOF SYSTEM COMPRISING SUCH A DEVICE
WO2012004644 A1 20120112	US20100923836 20101008	H02J7/35; F24F11/02; F24J2/42; F25B27/00; H01M10/44	PANASONIC ELEC WORKS CO LTD [JP]; YONEDA SATSUKI [JP]; KASAYA MASATO [JP]; IHIRA YASUHISA [JP]; TERANO MASAOKI [JP]; KOSHIN HIROAKI [JP]; INAKAGATA SATORU [JP]	ENERGY MANAGEMENT SYSTEM

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WO2012005747 A1 20120112	US20100925538 20101025	F24J2/10; F24J2/38; H01L31/042	SKYLINE SOLAR INC [US]; LANCE TAMIR [US]; FINOT MARC A [US]; CHAU MANG V [US]; ACKLER HAROLD D [US]; WYLIE CAMERON G [US]; IGNAUT BRIAN J [US]	SOLAR COLLECTOR
WO2012006233 A2 20120112	US20100926380 20101115	H01L31/042; F24J2/52	CABLOFIL INC [US]; KELLERMAN DALLAS [US]	SOLAR PANEL SUPPORT FRAMES
WO2012006255 A2 20120112	US20100939348 20101104	F24J2/04; F24J2/10; F24J2/24; F24J2/38	GLASSPOINT SOLAR INC [US]; VON BEHRENS PETER EMERY [US]	CONCENTRATING SOLAR POWER WITH GLASSHOUSES
WO2012006257 A2 20120112	US20100940866 20101105	F24J2/04; F24J2/10; F24J2/24	GLASSPOINT SOLAR INC [US]; O'DONNELL JOHN SETEL [US]; VON BEHRENS PETER EMERY [US]; HEISLER STUART M [US]	DIRECT SOLAR STEAM GENERATION
WO2012006258 A2 20120112	US20100941242 20101108	F24J2/42; E21B43/24; F22B33/18	GLASSPOINT SOLAR INC [US]; O'DONNELL JOHN SETEL [US]; VON BEHRENS PETER EMERY [US]; HEISLER STUART M [US]; JACKSON DAVID BRUCE [US]	OILFIELD APPLICATION OF SOLAR ENERGY COLLECTION
WO2012006288 A2 20120112	US20100950931 20101119; WO2011US52789 20110922	F24J2/04; F24J2/34; F24J3/06; F25B30/06	GLASSPOINT SOLAR INC [US]; UNIV LELAND STANFORD JUNIOR [US]; O'DONNELL JOHN SETEL [US]; KOVSCEK ANTHONY ROBERT [US]	SUBSURFACE THERMAL ENERGY STORAGE OF HEAT GENERATED BY CONCENTRATING SOLAR POWER

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WO2012006665 A1 20120119	US20100957808 20101201	F24J2/04; F24J2/05; F24J2/30; F24J2/50; F24J2/51; F24J2/52	SOLAGEN PTY LTD [AU]; LASICH JOHN BEAVIS [AU]	HEAT TRANSFER SYSTEM USING SOLAR ENERGY
WO2012006756 A1 20120119	US20100964482 20101209	B01J19/12; F24J2/00	LIU WENXIANG [CN]	CHEMICAL REACTOR USING CONCENTRATED LIGHT
WO2012006918 A1 20120119	US20100975307 20101221	F24J2/20; F24J2/24	HSIEH YINGCHUN [CN]	SOLAR HEAT COLLECTOR
WO2012007166 A1 20120119	US20100976258 20101222	F24J2/05; F24J2/07; F24J2/14; F24J2/24; F24J2/50	FLAGSOL GMBH [DE]; IBACH FRANK [DE]	HIGH-TEMPERATURE SOLAR HEATING APPARATUS FOR POWER STATIONS
WO2012007401 A1 20120119	US20100976326 20101222	C23C16/30; B82Y30/00; F24J2/48	LEIBNIZ INST NEUE MATERIALIEN [DE]; AKTAS ORAL CENK [DE]; VEITH MICHAEL [DE]; AKKAN CAGRI KAAN [DE]; LEE JUSEOK [DE]; MARTINEZ MIRO MARINA [DE]	COATING FOR CONVERTING RADIATION ENERGY
WO2012007461 A1 20120119	US20100976574 20101222	F16H55/24; F16H1/16; F16H57/02; F24J2/54	ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]; RICHTER FRANK [DE]; EKOEZ YUEKSEL [DE]; SCHMITZ EWALD [DE]; IMGRUNT ILJA [DE]	MULTI-SPEED GEARBOX AND ADJUSTING SYSTEM
WO2012007641 A1 20120119	US20100977001 20101222	F24J2/04; F24J2/34	VAHANEN INTERNAT OY [FI]; RAUTARUUKKI OYJ [FI]; KETTUNEN ARI-VEIKKO [FI]; SIPOLA SAKU [FI]; KESTI JYRKI [FI]; MONONEN TARMO [FI]; SEKKI PAULI JUHANI [FI]	ARRANGEMENT IN A SHELL STRUCTURE OF A BUILDING

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WO2012007807 A2 20120119	US20100977006 20101222	F24J2/36; F24J2/24; F24J2/46; F28D1/053; F28F1/02; F28F9/18; F28F21/06	ANTONIOMERLONI S P A I N A S [IT]; FRANCOLINI GIANLUCA [IT]	LIGHTING SYSTEM FOR REFRIGERATORS
WO2012008498 A1 20120119	US201013148705 20100208; NL20092002529 20090213; US20090152483P 20090213; WO2010NL00021 20100208	C09D127/12; C09D7/12; C09D129/10; C09D133/04; C09D157/10; F24J2/10	ASAHI GLASS CO LTD [JP]; SAITO SHUN [JP]; AIKAWA MASATAKA [JP]; MASUDA SHOU [JP]	COATING COMPOSITION FOR COATING SURFACE OF SOLAR ENERGY COLLECTING REFLECTOR AND METHOD FOR PRODUCING SOLAR ENERGY COLLECTING REFLECTOR
WO2012008659 A1 20120119	US201013263978 20100409; US20090173879P 20090429; WO2010US30602 20100409	F24J2/38; F24J2/40; G01J1/28	CLF HITECH [KR]; PARK JONG SIK [KR]; YANG SI CHANG [KR]	SOLAR TRACKING DEVICE AND SOLAR TRACKING METHOD USING SAME
WO2012009708 A2 20120119	US201013318858 20100507; US20090176148P 20090507; US20090185087P 20090608; WO2010EP56249 20100507	F24F11/02; F04D25/08; F24J2/00	U S SUNLIGHT CORP [US]; FOREMAN GEOFFREY [US]; BUCKLEY ROBERT [US]	METHOD AND APPARATUS FOR ATTIC FAN POWER CONTROLLER WITH REMOTE CONTROL
WO2012009764 A1 20120126	US201013375275 20100608; US20090185089P 20090608; WO2010EP57988 20100608	F24J2/40; F24J2/42; F24J2/46; G02B5/08; H01L31/042	SOLAGEN PTY LTD [AU]; LASICH JOHN BEAVIS [AU]	CONVERSION OF SOLAR ENERGY

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WO2012009834 A1 20120126	US201013384188 20100706; US20090223199P 20090706; WO2010CA01051 20100706	F24J2/38; G05D3/12	WEI SHENG INVEST & DEV CO LTD [CN]; LIN SZU-HUNG [CN]; LIN SZU-HAI [CN]	ANGLE AUTOMATIC COMPENSATION METHOD AND DEVICE FOR SOLAR ENERGY SUN-TRACKING PANEL
WO2012010720 A1 20120126	US201013392976 20100831; US20090272199P 20090831; US20100282268P 20100111; WO2010IL00718 20100831	F24J2/10; F24J2/54	UNIV MADRID POLITECNICA [ES]; UNIV NAC DE EDUCACION A DISTANCIA [ES]; MARTINEZ-VAL PENALOSA JOSE MARIA [ES]; VALDES DEL FRESNO MANUEL [ES]; ABANADES VELASCO ALBERTO [ES]; AMENGUAL MATAS RUBEN [ES]; MUNOZ ANTON JAVIER [ES]; PIERA CARRETE MIREIA [ES]; MONTE	SOLAR RADIATION CONCENTRATOR, HAVING MULTIPLE INDEPENDENT PARABOLIC MIRRORS
WO2012010723 A1 20120126	US201113027170 20110214; US20100961461 20101206; US20100304403P 20100213	F24J2/05; F24J2/46	ABENGOA SOLAR NEW TECH SA [ES]; NUNEZ BOOTELLO JUAN PABLO [ES]; MARTINEZ SANZ NOELIA [ES]	NOVEL ARRANGEMENT OF NON- EVAPORABLE GETTERS FOR A TUBE SOLAR COLLECTOR
WO2012011135 A1 20120126	US201113042076 20110307	F24J2/52	DI GAETANO ALBERTO [IT]	CABLE SUPPORT STRUCTURE
WO2012011634 A1 20120126	US201113046870 20110314	F24J2/46; F24J2/40; H01L31/052	HILEBEN CO LTD [KR]; YU SANG PHIL [KR]	EFFICIENCY ENHANCEMENT EQUIPMENT FOR SOLAR PHOTOVOLTAIC POWER FACILITIES

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WO2012011966 A1 20120126	US201113066541 20110415; US20100905349 20101015; US20090252635P 20091016	F24J2/52; F16M11/04	EIDE KRISTIAN [US]	SOLAR PANEL RACKING SYSTEM
WO2012012065 A1 20120126	US201113089506 20110419; CA20102701864 20100421; US20100362049P 20100707	G02B26/08; F24J2/10	MASSACHUSETTS INST TECHNOLOGY [US]; DUBOWSKY STEVEN [US]; LEE SEUNG JAE; BILTON AMY MARLOU [US]	SYSTEM FOR DISCRETELY ACTUATED SOLAR MIRRORS
WO2012012998 A1 20120202	US201113103475 20110509	F24J2/52	GS SOLAR FU JIAN COMPANY LTD [CN]; APOLLO PREC BEIJING LTD [CN]; CHENG XU [CN]; ZHENG YUMING [CN]; LIN CHAOHUI [CN]; SHEN DONGDONG [CN]	SOLAR PANEL MOUNTING BRACKET
WO2012013307 A1 20120202	US201113172257 20110629; US20100385686P 20100923	F24J2/08; F24J2/14; F24J2/24; G02F1/00	NEGRISOLO FRANCESCO [IT]; ROSSO MARIA CRISTINA [IT]	DEVICE FOR THE CAPTURE OF SOLAR ENERGY WITH HIGH ANGULAR EFFICIENCY.
WO2012013455 A1 20120202	US201113176705 20110705; US20070932739 20071031	C08K5/00; C08K5/01; C08K5/105; C08K5/132; C08K5/20; C08K5/315; C08K5/3435; C08K5/3475; C08K5/3492; C09K11/06; F24J2/06; H01L31/00	EVONIK ROEHM GMBH [DE]; LICHTENSTEIN HANS [DE]; NEUMANN CLAUDIUS [DE]	POLYMETHYL (METH)ACRYLATE MOULDINGS FOR FLUORESCENCE CONVERSION, PRODUCTION OF THESE BY THE SHEET CASTING PROCESS AND USE IN SOLAR COLLECTORS



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WO2012013466 A2 20120202	US201113182297 20110713; US20100419685P 20101203;	F24J2/24; B29C47/16; B29C49/00; B29C70/12; B82B1/00; B82Y30/00; F24J2/05; F24J2/46; F24J2/48	COMMISSARIAT ENERGIE ATOMIQUE [FR]; AUGIER SYLVAIN [FR]; BACLET NATHALIE [FR]; PAPILLON PHILIPPE [FR]; TIQUET PASCAL [FR]	SOLAR THERMAL COLLECTOR ABSORBER, COLLECTOR COMPRISING SAME AND METHOD FOR THE PRODUCTION THEREOF
WO2012013827 A1 20120202	US201113182297 20110713; US20100364729P 20100715; US20100419685P 20101203	F24J2/36; F24J2/54; H01L31/045	EN RENOVABLES INTEGRALES S L [ES]; GONZALEZ MORENO JOSE ABEL [ES]; EJEA ESTRADA MANUEL RAMO [ES]	FOLDING SOLAR TRACKER AND OPERATING METHOD
WO2012014088 A2 20120202	US201113184334 20110715; US20100364967P 20100716	F24J2/06; F24J2/07; F24J2/08; F24J2/18; G02B6/00; H01L31/052	MORGAN SOLAR INC [CA]; MORGAN JOHN PAUL [CA]; MYSRKOG STEFAN [CA]; CHANG PHILIP M [CA]; MORRIS NIGEL [CA]	LIGHT-GUIDE SOLAR MODULE, METHOD OF FABRICATION THEREOF, AND PANEL MADE THEREFROM
WO2012014153 A2 20120202	US201113189462 20110722; US20100400208P 20100723	F24J2/40	BRIGHTSOURCE IND ISRAEL LTD [IL]; SHVETS ZEEV [IL]	SYSTEMS, METHODS, AND DEVICES FOR WIND-RESPONSIVE OPERATION OF SUN- TRACKING ASSEMBLIES
WO2012014203 A2 20120202	US201113190779 20110726; US20080189943 20080812	F24J2/52	MOLEK EFRAIM [IL]; LEVY PETER [IL]	LOCKING MECHANISM FOR PANELS
WO2012015378 A1 20120202	US201113192634 20110728; US20100369586P 20100730	F24J2/52; F24J2/38; F24J2/54; H01L31/042	ANDRETICH MICAH [US]	SUSTAINABLE, MOBILE, EXPANDABLE STRUCTURE

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WO2012015451 A2 20120202	US201113192858 20110728; US20080269785 20081112; US20070987132P 20071112	H01L31/042; H01L31/02	FIRST SOLAR INC [US]; BELLACICCO JOHN [US]; KUSTER TOM [US]; MONACO MICHAEL [US]; OSHMAN TOM [US]; HARTELIUS JOHN [US]	AUTOMATED INSTALLATION SYSTEM FOR AND METHOD OF DEPLOYMENT OF PHOTOVOLTAIC SOLAR PANELS
WO2012016036 A2 20120202	US201113200762 20110930; ES20070001577 20070607; ES20080001471 20080520; US20080156816 20080605	H01L31/042	FIRST SOLAR INC [US]; BELLACICCO JOHN [US]; HARTELIUS JOHN [US]; CABUHAY HENRY [US]; KUSTER TOM [US]; MONACO MICHAEL [US]; PERKINS MARTIN [US]	APPARATUS FACILITATING MOUNTING OF SOLAR PANELS TO A RAIL ASSEMBLY
WO2012016076 A2 20120202	US201113210693 20110816; US20100374970P 20100818	F24J2/52	PANELCLAW INC [US]; GIES MARK CHARLES [US]; ANDERSON DAVID P [US]; LEARY DANIEL P [US]	GROUND MOUNTED SOLAR MODULE INTEGRATION SYSTEM
WO2012016345 A1 20120209	US201113215450 20110823; US20100376428P 20100824	F24J2/46; F24J2/24; F24J2/52	CALDER SOLAR LTDA [CL]; MILNES PIZARRO OSVALDO [CL]	UNIT FOR HARNESSING SOLAR POWER
WO2012016865 A1 20120209	US201113216144 20110823; US20100422888P 20101214	F24J2/07; F24J2/46	GETTERS SPA [IT]; CONTE ANDREA [IT]; MANINI PAOLO [IT]; GALLITOGNOTTA ALESSANDRO [IT]; BRANCALEONI MAURO [IT]	IMPROVEMENTS FOR SOLAR COLLECTORS RECEIVER TUBES
WO2012017078 A2 20120209	US201113219606 20110827; US20100390862P 20101007	F02C1/05; F03G6/00; F03G6/06; F24J2/07; F24J2/28	ALSTOM TECHNOLOGY LTD [CH]; WIEGHARDT KAI [DE]	SOLAR TOWER WITH INTEGRATED GAS TURBINE

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WO2012017109 A1 20120209	US201113225440 20110903; US20100779256 20100513; US20100380073P 20100903; US20090178029P 20090513	F24J2/14; F24J2/54	ABENGOA SOLAR NEW TECH SA [ES]; MUNOZ GILABERT FELIX [ES]	STRUCTURE WITH PRIMARY-REFLECTOR SECURING BEAMS
WO2012018054 A1 20120209	US201113227606 20110908; US20100381545P 20100910	F24J2/18; F24J2/38; G02B5/08	COSMO OIL CO LTD [JP]; ABU DHABI FUTURE ENERGY COMPANY PJSC [AE]; YUASA MINORU; HASUIKE HIROSHI; TAMAURA YUTAKA [JP]; OUCHI KEI	SOLAR CONCENTRATING SYSTEM AND HELIOSTAT LAYOUT METHOD
WO2012018531 A2 20120209	US201113230944 20110913; DE200710030486 20070411; US20090595176 20091008; WO2008EP02812 20080407	F24J2/14; F24J2/10; F24J2/54; H01L31/052	SUNPOWER CORP [US]; LINDERMAN RYAN [US]; JUDKINS ZACHARY S [US]; WARES BRIAN [US]; ALMY CHARLES [US]	OPPOSING ROW LINEAR CONCENTRATOR ARCHITECTURE
WO2012018532 A2 20120209	US201113232842 20110914; US20100383226P 20100915	F24J2/14; F24J2/10; F24J2/54; H01L31/052	SUNPOWER CORP [US]; LINDERMAN RYAN [US]; JUDKINS ZACHARY S [US]; WARES BRIAN [US]; ALMY CHARLES [US]	OPPOSING ROW LINEAR CONCENTRATOR ARCHITECTURE

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WO2012019042 A2 20120209	US201113234560 20110916; WO2010US49137 20100916; US20100383562P 20100916; US20100304824P 20100216; US20090243032P 20090916	F03G6/00; F24J2/04; F24J2/42	BABCOCK POWER SERVICES INC [US]; BRIGHTSOURCE ENERGY INC [US]; PLOTKIN ANDREW [US]; GILLUM CRAIG [US]; TOUPIN KEVIN [US]; KUNKEL ROBERT [US]; KAUFMANN GABRIEL [IL]; AFREMOV LEON [IL]; MAGEN YONA [US]	STARTUP SYSTEMS AND METHODS FOR SOLAR BOILERS
WO2012019207 A1 20120216	US201113236488 20110919	F24J2/04; F24J2/50	WISTRELA ROBERT [AT]	COMPONENT
WO2012019548 A1 20120216	US201113236603 20110919; US20100385899P 20100923	F24J2/20; F24J2/05; F24J2/32; F24J2/46; F24J2/48; F24J2/50	WANG DUN [CN]	SOLAR THERMAL COLLECTOR APPARATUS AND CURTAIN WALL PROVIDED WITH THE SAME
WO2012019552 A1 20120216	US201113237386 20110920; US20090622504 20091120	F24J2/46	WANG KETAO [CN]	HEAT EXCHANGE TUBE APPARATUS INSIDE SOLAR THERMAL COLLECTOR TUBE
WO2012019771 A1 20120216	US201113242731 20110923	G02B3/08; B29D11/00; F24J2/08	FRAUNHOFER GES FORSCHUNG [DE]; HORNING THORSTEN [DE]	SURFACE STRUCTURE AND FRESNEL LENS AND TOOL FOR PRODUCTION OF A SURFACE STRUCTURE
WO2012020146 A1 20120216	US201113249034 20110929; US20080258796 20081027	F24J2/54; F24J2/08	COMPANIA VALENCIANA DE EN RENOVABLES S A [ES]; PERIS DOMINGO GONZALO BERNABE [ES]; EHLIS PIRRETAS SERGIO [ES]; MULET MAS JORDI [ES]; ROSELL URRUTIA JOAN IGNASI [ES];	SOLAR CONCENTRATOR WITH SUPPORT SYSTEM AND SOLAR TRACKING

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			CHEMISANA VILLEGAS DANIEL [ES]	
WO2012021471 A2 20120216	US201113271404 20111012; US20100393736P 20101015	H01L31/052	3M INNOVATIVE PROPERTIES CO [US]; FREIER DAVID G [US]; CORRIGAN THOMAS R [US]	CONCENTRATING DAYLIGHT COLLECTOR
WO2012021650 A2 20120216	US201113276864 20111019; US20100455316P 20101019	H01L31/042; F24J2/52	TENKSOLAR INC [US]; MEYER DALLAS W [US]; BERG LOWELL J [US]; STOVER LANCE [US]; DODD ORVILLE D [US]; MURNAN THOMAS L [US]	HIGHLY EFFICIENT SOLAR ARRAYS
WO2012021993 A1 20120223	US201113282147 20111026; US20100939348 20101104; US20100705434 20100212; US20080207346 20080909; US20070852854 20070910; US20100407772P 20101028	H01L31/18; F24J2/38; F24J2/52; F28F1/00; F28F3/08; G02B5/10; G02B7/182; G02B7/188; G02B7/198; G02B27/62; H01L31/042; H01L31/052; H01L31/058	NORMAN RICHARD [CA]; DE ST-CROIX FREDERICK [CA]	IMPROVEMENTS TO SYSTEMS FOR COST-EFFECTIVE CONCENTRATION AND UTILIZATION OF SOLAR ENERGY

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WO2012022257 A1 20120223	US201113283638 20111028; US20100794307 20100604; US20090184618P 20090605	F16F15/10; F24J2/38	CHENG DU ZHONG SHUN SCIENCE AND TECHNOLOGY DEV CO LTD [CN]; HUANG ZHONG [CN]	CAM TURNTABLE, SUN-TRACKING DEVICE EQUIPPED WITH SAME AND CONTROL METHOD FOR THE DEVICE
WO2012022273 A1 20120223	US201113287868 20111102; US20100409219P 20101102; US20100410613P 20101105	F03G6/06; F01K25/10; F24J2/26	SHANGHAI SHENGHE NEW ENERGY RESOURCES SCIENCE & TECHNOLOGY CO LTD [CN]; SHI DERONG [CN]; ZHANG GAOZUO [CN]; DAI JUN [CN]; GUO JIA [CN]	SOLAR POWER AMMONIA THERMOELECTRIC CONVERSION SYSTEM
WO2012022311 A2 20120223	US201113292748 20111109; US20100411560P 20101109	F24J2/04; F24J2/20	HOFER ANDREAS MARTIN [DE]; HOFER MICHAEL [DE]	HEAT-COLLECTOR MODULE FOR MOUNTING ON THE TOP OF A ROOF PANEL
WO2012022418 A2 20120223	US201113295397 20111114; US20100414379P 20101116	F24J2/07; F24J2/10; F24J2/16; F24J2/54	SCHRAMEK PHILIPP [DE]; MAASS JOACHIM [DE]	CENTRAL RECEIVER SOLAR SYSTEM COMPRISING A HELIOSTAT FIELD
WO2012022420 A1 20120223	US201113295929 20111114; US20100662086 20100330; US20090202745P 20090331	F24J2/38; F24J2/40; F24J2/54; G01S3/786	BOSCH GMBH ROBERT [DE]; GERMANN GUENTER [DE]; HERZIG STEPHAN [DE]; HUEBNER RALF [DE]	METHOD AND CONTROL DEVICE FOR ADJUSTING A PLURALITY OF ADJUSTABLE FUNCTIONAL ELEMENTS OF A SOLAR INSTALLATION
WO2012023347 A1 20120223	US201113296998 20111115; US20100414165P 20101116	G02B5/08; B32B15/04; C03C17/10; F24J2/10; H01L31/052	KONICA MINOLTA OPTO INC [JP]; ADACHI HITOSHI [JP]	FILM MIRROR, METHOD FOR PRODUCING SAME, AND MIRROR FOR SUNLIGHT REFLECTION USING FILM MIRROR

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WO2012024384 A2 20120223	US201113297397 20111116; US20100414963P 20101118; US201161539653P 20110927	F03G6/06; F24J2/06	TARABISHI HISHAM [US]	REVOLUTIONARY SYSTEM FOR SUSTAINING AND STORING GREEN SOLAR ENERGY
WO2012024738 A1 20120301	US201113299909 20111118; US20080109735 20080425	F24J2/10; G02B5/10	UNIV AUSTRALIAN [AU]; LOVEGROVE KEITH [AU]; JOHNSTON GLEN HARVEY [AU]; BURGESS GREGORY JOHN [AU]	MIRROR PANELS FOR LARGE AREA SOLAR CONCENTRATORS
WO2012025064 A1 20120301	US201113302647 20111122; US20100417086P 20101124	F24J2/00; F24H1/20; F24J2/40; F24J2/46	WANG KETAO [CN]	HOT WATER STORAGE ASSEMBLY USING LOW-POWER PUMP AND SOLAR-POWERED WATER HEATER FOR HOT WATER EXCHANGE
WO2012025184 A2 20120301	US201113304339 20111124; US20100417238P 20101125	F24J2/38	BOSCH GMBH ROBERT [DE]; GERMANN GUENTER [DE]; HERZIG STEPHAN [DE]; HUEBNER RALF [DE]	DRIVE MODULE FOR A SOLAR THERMAL POWER PLANT HAVING AN INTEGRATED ANGLE SENSOR
WO2012025356 A1 20120301	US201113305542 20111128; US20100881102 20100913; US20090241909P 20090913	F24J2/10	SCHNEIDER HARTMUT [AT]	MIRROR MODULE
WO2012025389 A1 20120301	US201113310520 20111202; US201113118274 20110527; US201113182297 20110713; US20100419685P 20101203	F03G6/00; F03G6/06; F24D3/10; F24J2/42	FLAGSOL GMBH [DE]; LA PORTA FRANCESCO [DE]; GRAETER FRIEDER [DE]; BICKMEYER WOLFHARD [DE]; MOEBIUS CHRISTIAN [DE]	EXPANSION SYSTEM OF THE HEAT TRANSFER MEDIUM CIRCUIT OF A SOLAR THERMAL POWER PLANT

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WO2012025642 A1 20120301	US201113311054 20111205	C10J3/16; F03G6/00; F24J2/00	GURADOOR S L [ES]; GONZALEZ GONZALEZ DANIEL [ES]	INDUSTRIAL METHOD FOR OBTAINING LOWER ALCOHOLS FROM SOLAR POWER
WO2012025643 A1 20120301	US201113316395 20111209; US20100806633 20100816; US20100707651 20100217; WO2010US24497 20100217; US20100707653 20100217; US20100707656 20100217; WO2010US24499 20100217; WO2010US24498 20100217; US20100304403P 20100213; US20090153253P 20090217; US20	F24J2/54; F24J2/12; F24J2/38	GURADOOR S L [ES]; GONZALEZ GONZALEZ DANIEL [ES]	SUPPORT SYSTEM FOR PARABOLIC SOLAR CONCENTRATING COLLECTORS
WO2012025849 A2 20120301	US201113324515 20111213; US20090631468 20091204; US20090176748P 20090508	F24J2/14; F24J2/07; F24J2/54	AGENZIA NAZ PER LE NUOVE TECNOLOGIE L EN E LO SVILUPPO ECONOMICO SOSTENIBILE ENEA [IT]; D D SRL [IT]; ZULIANI GIANFRANCO [IT]; DURÌ GIORDANO [IT]; DE CILLIA LUIGI [IT]; MILIOZZI ADIO [IT]; NICOLINI DANIELE [IT]	SUPPORT STRUCTURE FOR A PARABOLIC- LINEAR SOLAR PLANT OF THE CONCENTRATION TYPE AND METHOD FOR ITS MANUFACTURE



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WO2012025967 A1 20120301	US201113328394 20111216; US201061460028P 20101222	F02C7/143; F24J2/42	HITACHI LTD [JP]; KOYAMA KAZUHITO [JP]; HATAMIYA SHIGEO [JP]; TAKAHASHI FUMIO [JP]; NAGAFUCHI NAOYUKI [JP]	SOLAR GAS TURBINE SYSTEM
WO2012026311 A1 20120301	US201113329409 20111219; US20100829503 20100702; US20050273303 20051114	G02B5/08; F24J2/10; H01L31/052	KONICA MINOLTA OPTO INC [JP]; HONDA MIKA [JP]	FILM MIRROR, METHOD FOR MANUFACTURING FILM MIRROR, AND REFLECTION DEVICE FOR USE IN SOLAR THERMAL POWER GENERATION
WO2012026312 A1 20120301	US201113329696 20111219; US20100957808 20101201; US20100846621 20100729; US20100846644 20100729; US20100846686 20100729	G02B5/08; F24J2/10; G02B1/10; H01L31/052	KONICA MINOLTA OPTO INC [JP]; MOCHIZUKI MAKOTO [JP]	FILM MIRROR FOR SOLAR THERMAL POWER GENERATION, METHOD FOR PRODUCING FILM MIRROR FOR SOLAR THERMAL POWER GENERATION, AND REFLECTING DEVICE FOR SOLAR THERMAL POWER GENERATION
WO2012026572 A1 20120301	US201113331604 20111220; US20080226078 20081006; WO2007US08616 20070405; US20060790464P 20060407	G02B6/32; F24J2/08; G02B6/00; H01L31/052	NIPPON KOGAKU KK [JP]; NIWA TATSUO [JP]; UCHIDA WAKANA [JP]	LIGHT-CONDENSING DEVICE, LIGHT POWER GENERATION DEVICE, AND PHOTOTHERMAL CONVERSION DEVICE

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WO2012027269 A2 20120301	US201113333828 20111221; US20080257368 20081023; US20070000358P 20071024	F24J2/52; H01L31/042	PETRA SOLAR INC [US]; BELAIDI HAKIM F [US]; DELUCA JOSEPH R [US]; DECKER RONALD A [US]; RUSSO ANTHONY L [US]; FASANELLA KENNETH W [US]; MODICK BRUCE [US]	ROTATABLE MOUNTING SYSTEM
WO2012027666 A2 20120301	US201113334404 20111222; US201161575020P 20110815	F24J2/52; E04D13/18; E04H6/42; H01L31/042	PHOENIX RENEWABLES LLC [US]; NEITO CHRISTOPHER [US]; HERZOG JOSEPH [US]; WERTHMAN SANDRA [US]; GRABE RYAN W [US]	COVERED PARKING STRUCTURE ADJUSTABLE SOLAR ENERGY COLLECTOR HOLDER AND PARKING LOT THEREOF
WO2012028139 A2 20120308	US201113337206 20111226; US201061427433P 20101227	B01D67/00	FACHHOCHSCHULE KIEL [DE]; ES-SOUNI MOHAMMED [DE]	POROUS LAYERS AND PRODUCTION THEREOF
WO2012028173 A2 20120308	US201113340450 20111229	B23P15/26	LUVATA ESPOO OY [FI]; KEIFE HANS [SE]; KONTTINEN PETRI [FI]; FALKENOE ANDERS [SE]	A METHOD FOR PRODUCING A CHANNEL ARRANGEMENT, A CHANNEL ARRANGEMENT, USE OF A CHANNEL ARRANGEMENT AND A METAL PROFILE
WO2012028878 A2 20120308	US201113341974 20111231	F24J2/10	SAHAWNEH FARIS NASHAT [AE]; BOWMAN PAUL ALAN [GB]	A SOLAR ADSORPTION APPARATUS
WO2012030731 A2 20120308	US201161430681P 20110107; US20100410159P 20101104	F24J2/38; F24J2/13	UNIV CALIFORNIA [US]; WINSTON ROLAND [US]; ZHANG WEIYA [US]	LOW COST HIGH EFFICIENCY SOLAR CONCENTRATOR WITH TRACKING RECEIVERS

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WO2012030744 A2 20120308	US201161431112P 20110110; US20100404618P 20101005	H01L31/058; F24J2/04	UNIV CALIFORNIA [US]; WINSTON ROLAND [US]	COMBINED HEAT AND POWER SOLAR SYSTEM
WO2012031380 A1 20120315	US201161445545P 20110223; US20100361512P 20100705	F24J2/32; F24J2/46; F28D15/02	JIANGSU HETE ENERGY CONSERVATION & ENVIRONMENT PROT CO LTD [CN]; ZHUANG JUN [CN]; LONG QIANWEN [CN]	LOOP HEAT PIPE FOR SOLAR WATER HEATER
WO2012031581 A1 20120315	US201161510705P 20110722; US20100411610P 20101109	E04D13/16; F24J2/51; F24J2/52; H01L31/048	SOLON SE [DE]; SCHWARZE SASCHA OLIVER [DE]	SOLAR INVERTED ROOF
WO2012032194 A1 20120315	US201213342980 20120104; TW20080134723 20080910; US20090436112 20090505	F24J2/40; F24J2/24; F24J2/46	CIE D EN RENOUVELABLES SA [CH]; GOMEZ-GIL MIRA JOSE ENRIQUE [ES]	SOLAR COLLECTOR
WO2012032388 A2 20120315	US201213397986 20120216; US20040979444 20041101	H04W4/00	ORMAT TECHNOLOGIES INC [US]; BERGER DOV [IL]	SOLAR DERIVED THERMAL STORAGE SYSTEM AND METHOD
WO2012032450 A1 20120315	US201213408601 20120229; US20110932531 20110228; US20060507918 20060822; US20040875933 20040624	F24J2/04	SCIENZA IND TECNOLOGIA S R L [IT]; ROSA-CLOT MARCO [IT]; ROSA-CLOT PAOLO [IT]	SYSTEM AND METHOD FOR CONVERTING SOLAR ENERGY TO THERMAL ENERGY

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WO2012032462 A1 20120315	WO2008JP72501 20081211	H01L31/052	CPOWER S R L CON SOCIO UNICO [IT]; ANTONINI ANDREA [IT]; SARTORE DOMENICO [IT]	PHOTOVOLTAIC SYSTEM WITH DOUBLE REFLECTION SOLAR CONCENTRATOR
WO2012032557 A1 20120315	WO2008US56049 20080306; US20070682407 20070306	F02C7/143; B01D61/02; C02F1/44; F02C3/30; F02C6/00; F24J2/04	HITACHI LTD [JP]; KATAGIRI YUKINORI [JP]; NAGAFUCHI NAOYUKI [JP]	GAS TURBINE POWER GENERATION SYSTEM
WO2012033132 A1 20120315	WO2009AT00173 20090428; AT20080000672 20080429	G02B27/00; F24J2/06; H01L31/042; H01L31/052	NIPPON KOGAKU KK [JP]; UCHIDA WAKANA [JP]; NIWA TATSUO [JP]; SENGATA TATSUYA [JP]; MORI SUSUMU [JP]; FUJIWARA SHOHEI [JP]	LIGHT CONDENSER, PHOTOVOLTAIC SYSTEM, AND PHOTOTHERMAL CONVERTER
WO2012033512 A1 20120315	WO2009CA00929 20090708	F24J2/06; F24J2/07; F24J2/10; F24J2/18; F24J2/52; G02B5/09; G02B5/10; H01L31/052; H01L31/058	MAGNA INT INC [CA]; WOODWARD RONALD O [US]	INTEGRATED SOLAR CONCENTRATOR SYSTEM
WO2012034173 A1 20120322	WO2009CH00104 20090327	F24J2/04; F24J2/24; F24J2/38; F24J2/40; F24J2/46	GRAPHITE ENERGY N V [NL]; KINGHORN GEOFFREY ANDREW [AU]; BAIN NICHOLAS JORDON [AU]	SOLAR ENERGY PLANT
WO2012034263 A1 20120322	WO2009CN75668 20091217	F03G6/00; F01K11/02; F24J2/00	GAO BARRY YIFAN [US]; SHAO RUIXUN [CN]	GROUND HIGH-TEMPERATURE HIGH- EFFICIENCY SOLAR STEAM ELECTRICITY- GENERATING DEVICE
WO2012034462 A1 20120322	WO2009EP08593 20091202	F24J2/04; F24J2/24	WANG HANLIN [CN]; ZHANG DEJIN [CN]	SOLAR WATER HEATER
WO2012034873 A1 20120322	WO2009ES70349 20090821	H01L31/042; F24J2/00	CZALOUN JOHANN [IT]	CABLE INSTALLATION FOR PIVOTING A SUPPORT STRUCTURE FOR PHOTOVOLTAIC MODULES OR COMPARABLE DEVICES

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WO2012035177 A1 20120322	WO2009HU00091 20091104; HUP0900426 20090708	G05B13/04; F24J2/00; G06F17/00	SUN TO MARKET SOLUTION S L [ES]; SERRANO DORADO ENRIQUE [ES]; WIESENBERG RALF [ES]	SYSTEM FOR OPTIMIZING THE OPERATION OF THERMOELECTRIC SOLAR POWER PLANTS
WO2012035563 A1 20120322	WO2009IB53093 20090716	E04F13/08; F24J2/04; F24J2/05; F24J2/52	BELLI ALESSANDRO [IT]; MAZZETTI GIULIO [IT]	MODULAR STRUCTURE FOR SURFACE ELEMENTS, SURFACE ELEMENT FOR SAID STRUCTURE, AND COUPLING SYSTEM FOR SUPPORTED ELEMENTS
WO2012036325 A1 20120322	WO2009IL01183 20091213; US20080121909P 20081212; US20090239441P 20090903; US20090239443P 20090903	E04H1/02; E04B1/70; F03D9/00; F24F7/02; F24F13/10; F24J2/00; F24J3/08	GU JA-SUN [KR]	ENVIRONMENT-FRIENDLY WELL-BEING HOUSE
WO2012036642 A2 20120322	WO2009JP05798 20091030; JP20090081823 20090330		GOLDENSUN SLOVAKIA S R O [SK]; ZUPA JAN [SK]; ZUPA PETER [SK]; ZUPA JAROSLAV [SK]; TOBIK JAN [SK]	THE SOLAR EQUIPMENT INTENDED TO ENHANCE ENERGY CONTRIBUTION OF PHOTOVOLTAIC AND PHOTOTHERMIC SYSTEMS

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WO2012036648 A1 20120322	WO2009JP64473 20090818; JP20090153704 20090629; JP20090153705 20090629; JP20090153706 20090629; JP20090153707 20090629; JP20090178283 20090730; JP20090178284 20090730; JP20090178285 20090730	F24J2/38	BEREZHNOY IVAN ANDREEVICH [UA]	SYSTEM FOR AUTOMATIC YEAR-ROUND TRACKING OF THE SUN IN AZIMUTH AND ELEVATION
WO2012037291 A2 20120322	WO2010AT00211 20100614; AT20090000930 20090617	F24J2/52	GLOBAL SOLAR WATER AND POWER SYSTEMS INC [US]; SNYDER MARK [US]	MULTIPURPOSE UTILITY STRUCTURE
WO2012038096 A1 20120329	WO2010AT00300 20100812	E04F13/08; E04F13/14; F24J2/52	WUERTH SOLAR GMBH & CO KG [DE]; BAUER TIMO [DE]; HANSELMANN TIMO [DE]; BARIE MATTHIAS [DE]	FASTENING SYSTEM FOR FACADE ELEMENTS, PROFILED INSERT RAIL THEREFOR AND ASSEMBLY METHOD
WO2012038129 A1 20120329	WO2010AT00349 20100923; AT20090001565 20091005	H01L31/052; F24J2/34	BOSCH GMBH ROBERT [DE]; BUETTNER THOMAS [DE]	SOLAR CELL MODULE AND SOLAR CELL ARRANGEMENT

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WO2012038566 A1 20120329	WO2010CA00253 20100302; US20090157714P 20090305	F24J2/10; F24J2/07; F24J2/38; H01L31/042	ABENGOA SOLAR NEW TECH SA [ES]; NUNEZ BOOTELLO JUAN PABLO [ES]; VALENZUELA RUBIA SALVADOR [ES]; SERRANO GALLAR LUCIA [ES]; FERNANDEZ CALDERON LUCIA [ES]	MANAGEABLE HYBRID PLANT USING PHOTOVOLTAIC AND SOLAR THERMAL TECHNOLOGY AND ASSOCIATED OPERATING METHOD
WO2012040227 A1 20120329	WO2010CA00500 20100409; US20090424393 20090415	H02N6/00; B65D85/86; F24J2/52; H01L31/042	SAINT GOBAIN PERFORMANCE PLAST [US]	SELF-ADHESIVE FRAME
WO2012040307 A2 20120329	WO2010CA01181 20100730	F24J2/52; B23P17/00	HYPERION SYSTEMS LLC [US]; MARLEY JAMES DAVID [US]	ADJUSTABLE RACKING SYSTEM FOR SOLAR ARRAY AND METHOD OF CONSTRUCTION OF A SOLAR ARRAY
WO2012040483 A2 20120329	WO2010CA01941 20101213	F24J2/24; F24J2/10	COMBINED POWER COOPERATIVE [US]; KING JOHN D H [US]; KRAMER NICHOLAS A [US]	SYSTEMS AND METHODS OF GENERATING ENERGY AND FRESH WATER FROM SOLAR RADIATION
WO2012040663 A2 20120329	WO2010CH00265 20101020	F24J2/05; B21D53/02; F24J2/12; F24J2/24	WINSTON ROLAND [US]	SOLAR THERMAL CONCENTRATOR APPARATUS, SYSTEM, AND METHOD
WO2012040778 A1 20120405	WO2010CL00038 20100915; CL20090001863 20090916	F16L9/14; B29C47/06; B29D23/18; F16L9/18; F16L11/04; F16L11/20; F24J2/24; F24J2/46	BOSS POLYMER TECHNOLOGIES PTY LTD [AU]; MILLS NORMAN [AU]	SOLAR COLLECTOR
WO2012041266 A1 20120405	WO2010CN01040 20100712	F24J2/52; H01L31/042	SCHLETTER GMBH [DE]; URBAN HANS [DE]	PROFILED SUPPORT ELEMENT OF A ROW OF PV MODULES
WO2012042082 A1 20120405	WO2010CN76830 20100913	H01L31/052; F24J2/10; H02N6/00	ABENGOA SOLAR NEW TECH SA [ES]; CAPARROS JIMENEZ SEBASTIAN [ES]	REFLECTIVE PHOTOVOLTAIC SOLAR CONCENTRATION SYSTEM

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WO2012042283 A1 20120405	WO2010DE00488 20100430; DE200920006367U 20090430	F24J2/54	ZIOGAS MILTIADIS [GR]	COMPLEX SOLAR UNIT
WO2012042407 A2 20120405	WO2010DE00538 20100514; DE200910021252 20090514	F24J2/10; F24J2/14	KOURTIS GEORGE [GR]; ADIGIOUZEL MARIA [GR]	SOLAR ENERGY PRODUCTION
WO2012042638 A1 20120405	WO2010DE00580 20100527; DE200920007526U 20090527	F02C7/143; F24J2/42	HITACHI LTD [JP]; KATAGIRI YUKINORI [JP]; KOYAMA KAZUHITO [JP]; HATAMIYA SHIGEO [JP]; TAKAHASHI FUMIO [JP]; NAGAFUCHI NAOYUKI [JP]	SOLAR HEAT UTILIZATION GAS TURBINE PLANT
WO2012042639 A1 20120405	WO2010DE00740 20100626; DE200920008931U 20090629	F02C7/143; F01K23/10; F02C6/18; F24J2/42	HITACHI LTD [JP]; YOSHIDA YASUHIRO [JP]; KATAGIRI YUKINORI [JP]; YASHIKI TATSUROU [JP]; YOSHIDA TAKUYA [JP]; TAKAHASHI KAZUO [JP]; KUSUMI NAOHIRO [JP]; SEKIAI TAKAAKI [JP]	COMBINED CYCLE POWER GENERATION PLANT UTILIZING SOLAR HEAT
WO2012042641 A1 20120405	WO2010DK00009 20100120; DK20090000095 20090121	F02C7/143; F01K23/10; F02C6/18; F24J2/42	HITACHI LTD [JP]; YASHIKI TATSUROU [JP]; YOSHIDA TAKUYA [JP]; KATAGIRI YUKINORI [JP]; YOSHIDA YASUHIRO [JP]	COMBINED CYCLE PLANT UTILIZING SOLAR HEAT



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WO2012042652 A1 20120405	WO2010DK00119 20100824; DK20090000957 20090825	F02C7/143; F24J2/42	HITACHI LTD [JP]; TAKAHASHI KAZUO [JP]; HATAMIYA SHIGEO [JP]; KOYAMA KAZUHITO [JP]; KATAGIRI YUKINORI [JP]	GAS TURBINE SYSTEM AND METHOD OF CONTROLLING SAME
WO2012042655 A1 20120405	WO2010EP01037 20100219; DE200910018027 20090418; DE200910056707 20091202	F02C7/143; F24J2/42	HITACHI LTD [JP]; SEKIAI TAKAAKI [JP]; KOYAMA KAZUHITO [JP]; HATAMIYA SHIGEO [JP]; TAKAHASHI FUMIO [JP]; NAGAFUCHI NAOYUKI [JP]; TAKAHASHI KAZUO [JP]	GAS TURBINE SYSTEM, CONTROL DEVICE FOR GAS TURBINE SYSTEM, AND CONTROL METHOD FOR GAS TURBINE SYSTEM
WO2012042888 A1 20120405	WO2010EP01438 20100308; DE200910013623 20090310	F24J2/38; F24J2/10; G02B5/08; G02B7/182; G02B19/00	TOKYO INST TECH [JP]; TAMAURA YUTAKA [JP]	CROSS LINEAR TYPE SOLAR HEAT COLLECTING APPARATUS
WO2012043606 A1 20120405	WO2010EP01459 20100309; DE200910012318 20090309	F24J2/10; B32B27/00; B32B27/18; G02B1/10; G02B5/08; H01L31/052	KONICA MINOLTA OPTO INC [JP]; YONEZAKI AYUMI [JP]	FILM MIRROR FOR SOLAR POWER GENERATION, PROCESS FOR MANUFACTURING FILM MIRROR FOR SOLAR POWER GENERATION, AND REFLECTION DEVICE FOR SOLAR POWER GENERATION
WO2012044813 A2 20120405	WO2010EP02979 20100514; DE200910021581 20090515	H01L31/042; F24J2/52	MIASOLE [US]; HARDIKAR KEDAR [US]; BALYON ROGER [US]	PHOTOVOLTAIC MODULE SUPPORT WITH CABLE CLAMPS
WO2012045129 A2 20120412	WO2010EP03775 20100614; IT2009MI01090 20090619	F24J2/46	GIGA SOLAR PTY LTD [AU]; GORDON STUART [AU]; CRITCHLOW ADRIAN NICHOLAS [AU]	SOLAR PANEL SYSTEMS AND METHODS

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WO2012045693 A1 20120412	WO2010EP06582 20101028	F01B17/02; F02G1/02; F24J2/42	MOTOR DEV INTERNAT S A [LU]; NEGRE GUY [LU]; NEGRE CYRIL [FR]	MONO-ENERGY AND/OR DUAL-ENERGY ENGINE WITH COMPRESSED AIR AND/OR ADDITIONAL ENERGY, COMPRISING AN ACTIVE CHAMBER INCLUDED IN THE CYLINDER
WO2012045866 A1 20120412	WO2010EP51725 20100211; IT2009PN00019 20090310	F24J2/46; B08B5/00	KAIL RICHARD [DE]	CLEANING DEVICE FOR PHOTOVOLTAIC AND SOLAR THERMAL SYSTEMS
WO2012045895 A2 20120412	WO2010EP52335 20100224; US20090155700P 20090226	F24J2/12; F24J2/06; F24J2/15; G02B5/02; G02B27/09; H01L31/052	RENOVALIA ENERGY S A [ES]; ORTEGA MARTINEZ JUAN DOMINGO [ES]	SOLAR RECEIVER FOR SOLAR CONCENTRATION SYSTEMS COMPRISING LIGHT HOMOGENIZATION
WO2012046134 A1 20120412	WO2010EP52785 20100304; DE200920001983U 20090319	F24J2/40; F24J2/54; H01L31/042	GIUDILLI MICHELE [IT]	TRACKER APPARATUS FOR CAPTURING SOLAR ENERGY AND RELATIVE AXIS MOVEMENT MECHANISM
WO2012047027 A2 20120412	WO2010EP54902 20100414; GB20090006485 20090415	F24J2/34; F24J2/04	KIM DONGHO [KR]	TOTAL RENEWABLE ENERGY SYSTEM HAVING UNDERGROUND HEAT STORAGE DEVICE
WO2012047248 A1 20120412	WO2010EP56460 20100511; DE200910003151 20090515	B32B17/10; F24J2/00; F24J2/10; F24J2/12; F24J2/13; F24J2/14	GUARDIAN INDUSTRIES [US]; VANDAL ROBERT A [US]; WANG YEI-PING MIMI H [US]	IMPROVED MIRRORS FOR CONCENTRATING SOLAR POWER (CSP) OR CONCENTRATING PHOTOVOLTAIC (CPV) APPLICATIONS, AND/OR METHODS OF MAKING THE SAME
WO2012048056 A2 20120412	WO2010EP56612 20100512; AT20090001056 20090706	E04D13/18; E04B1/38	SOLAR LIBERTY ENERGY SYSTEMS INC [US]; RIZZO NATHAN [US]	MOUNT FOR PITCHED ROOF AND METHOD OF USE
WO2012048329 A2 20120412	WO2010EP57007 20100520; US20090179859P 20090520	H01L31/042; F24J2/52	CABLOFIL INC [US]; PLACE TIMOTHY [US]	SUPPORT STRUCTURE AND SYSTEMS INCLUDING THE SAME

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WO2012048640 A1 20120419	WO2010EP57032 20100521; SI20090000147 20090522	G05D3/00; F24J2/38; H02N6/00	XU QIMING [CN]	LATERALLY-ADJUSTED AUTOMATIC SOLAR ENERGY TRACKING DEVICE
WO2012049337 A1 20120419	WO2010EP57800 20100603; UA20090004252 20090604; WO2009UA00028 20090630	F24J2/46; A47L1/02; B08B1/04	EQUIPOS DE RENDIMIENTO SOLAR S L [ES]; MARTIN GARIJO FRANCISCO [ES]	CLEANING EQUIPMENT FOR FLAT, UNEVEN, STEPPED, VERTICAL OR HORIZONTAL GLASS SURFACES
WO2012049454 A1 20120419	WO2010EP57980 20100608; US20090185084P 20090608	G02B19/00; F24J2/00; G01N21/64; G02B3/08	SOUTHSIDE THERMAL SCIENCES STS LTD [GB]; FEIST JOERG PETER [GB]; ZHANG SIJIONG [GB]	OPTICAL PROBE, APPARATUS AND SYSTEM
WO2012050485 A1 20120419	WO2010EP58438 20100616; AT20090000978 20090625	H01L31/042; G01S3/786	GLOBAL SUN ENGINEERING SWEDEN AB [SE]; JOHANSSON ANDREAS [SE]	SOLAR TRACKING SENSOR
WO2012050534 A1 20120419	WO2010EP59790 20100708; DK20090070057 20090708	H01L31/042; F24J2/52	CERAR JANKO [SI]; NOVAK PETER [SI]; MUHIC SIMON [SI]; ZAFOSNIK BOSTJAN [SI]; STURM MILAN [SI]	PHOTOVOLTAIC POWER PLANT
WO2012051399 A2 20120419	WO2010EP59933 20100709; DE200910032584 20090710	H01L31/052; F24J2/04	BRIGHTLEAF TECHNOLOGIES INC [US]; KIESEWETTER DOUGLAS [US]	DERIVING ECONOMIC VALUE FROM WASTE HEAT FROM CONCENTRATED PHOTOVOLTAIC SYSTEMS
WO2012051725 A1 20120426	WO2010EP60816 20100726; DE200910035238 20090729	F24J2/52	MONTAVENT AG [CH]; MEIER CHRISTIAN [CH]; DUENNER MARCEL RICHARD [CH]; DUERST MATTHIAS [CH]	STACK OF SEVERAL SUPPORT ELEMENTS FOR CONSTRUCTING A SUPPORTING STRUCTURE FOR SOLAR MODULES ON A FLAT ROOF

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WO2012051732 A2 20120426	WO2010EP62343 20100824; DE200910039021 20090828; DE201020001474U 20100129; US20100713536 20100226	H01L31/04; F24J2/20; F24J2/46; F28F9/04; H01L31/052; H01L31/058	ROTH MAX [CH]	HYBRID COLLECTOR
WO2012052100 A1 20120426	WO2010EP62666 20100831	C09K19/10; C09K19/30; C09K19/34; C09K19/42	MERCK PATENT GMBH [DE]; JUNGE MICHAEL [DE]	SWITCH ELEMENT COMPRISING A LIQUID- CRYSTALLINE MEDIUM
WO2012052323 A2 20120426	WO2010EP66188 20101026	F24J2/14	THYSSENKRUPP STEEL EUROPE AG [DE]; DREWES STEPHAN [DE]; GROSERUESCHKAMP THOMAS [DE]; HILFRICH ERIK [DE]; HIRT MARK [DE]; LIESNER JENS [DE]; PATBERG LOTHAR [DE]; GLASS ROMAN [DE]	SUPPORTING DEVICE FOR A CURVED MIRROR
WO2012052570 A1 20120426	WO2010EP66576 20101102	F24J2/14	RENOVALIA ENERGY S A [ES]; ORTEGA MARTINEZ JUAN DOMINGO [ES]	SUPPORT STRUCTURE OF MIRRORS OR REFLECTORS FOR SOLAR CONCENTRATION SYSTEMS AND METHOD FOR INSTALLING THE MIRRORS ON THE STRUCTURE
WO2012052579 A1 20120426	WO2010EP67831 20101119	F24J2/14; F24J2/52	ABENGOA SOLAR NEW TECH SA [ES]; MUNOZ GILABERT FELIX [ES]	STRUCTURE HAVING A TORSION LATTICE GIRDER FOR A PARABOLIC TROUGH SOLAR COLLECTOR
WO2012052588 A1 20120426	WO2010ES00110 20100318; ES20090000764 20090320	F24J2/07; F03G6/06	ABENGOA SOLAR NEW TECH SA [ES]; MENDEZ MARCOS JOSE MARIA [ES]; NAVIO GILABERTE RAUL [ES]	TOWER RECEIVER CONFIGURATION FOR HIGH POWER VALUES

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WO2012052661 A2 20120426	WO2010ES00137 20100331; ES20090000937 20090406	C10J3/46; B01J8/32; B01J19/12; C09K5/14; C10J3/48; F03G6/06; F22B1/00; F24J2/04; F24J2/07; F24J2/24; F24J2/34; F28D13/00	CENTRE NAT RECH SCIENT [FR]; TOULOUSE INST NAT POLYTECH [FR]; FLAMANT GILLES [FR]; HEMATI MEHRDJI [FR]	DEVICE FOR COLLECTING SOLAR ENERGY
WO2012053120 A1 20120426	WO2010ES00245 20100602; ES20090001349 20090603	F24J2/38	MITSUI SHIPBUILDING ENG [JP]; SAKAI SHOJI [JP]; HAYASAKA SHIRO [JP]; ABE KATSUYOSHI [JP]; ITO KOZO [JP]	HELIOSTAT FOR SUNLIGHT COLLECTION AND METHOD FOR CONTROLLING SAME
WO2012053738 A2 20120426	WO2010ES00247 20100602; ES20090001374 20090605	H01L31/052; F24J2/08; H01L31/042	LIM MYOUNG GYU [KR]	PHOTOVOLTAIC MODULE
WO2012054428 A2 20120426	WO2010ES00301 20100713; ES20090001585 20090714	H01L31/042; F24J2/52	SHUFFLEBOTHAM PAUL [US]; KRAJEWSKI TODD [US]; MIASOLE [US]	RETAINERS FOR ATTACHING PHOTOVOLTAIC MODULES TO MOUNTING STRUCTURES
WO2012054986 A1 20120503	WO2010ES00330 20100728	F24H4/00; F24F13/12; F24H1/44; F24H8/00; F24J2/44; F25B29/00; F28F27/02	TUCKER TECHNOLOGIES PTY LTD [AU]; TUCKER KENNETH JOHN [AU]	HEATING APPARATUS
WO2012055160 A1 20120503	WO2010ES00372 20100909	F24J2/00; F24J2/12; F24J2/38; F24J2/48; F24J2/51	ZHANG XIANFENG [CN]	LIGHT-LOCKING SOLAR THERMAL COLLECTOR AND LIGHT-LOCKING SOLAR THERMAL COLLECTING METHOD
WO2012055426 A1 20120503	WO2010ES00459 20101105	F24J2/07	SUN TO MARKET SOLUTION S L [ES]; WIESENBERG RALF [ES]; SERRANO ENRIQUE [ES]	SOLAR RECEIVER FOR SOLAR POWER TOWER

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WO2012055431 A1 20120503	WO2010ES70394 20100614; ES20090001410 20090612; ES20100030829 20100531	F24J2/02; F24J2/52; F24J2/54	DE VICQ ROLAND [BE]	SUNOVEN AND METHOD FOR CONSTRUCTING SUCH A SUNOVEN
WO2012055927 A2 20120503	WO2010ES70543 20100809	F24J2/52; E04D13/14	ICOPAL AS [DK]; JUAL HOLDING AS [DK]; JEPSEN HENRIK [DK]; EJRUP OLSEN JOHN [DK]	ROOF ANCHOR FOR FIXING FRAME STRUCTURES TO A ROOF
WO2012055928 A1 20120503	WO2010ES70602 20100916	F24J2/52	ICOPAL AS [DK]; JUAL HOLDING AS [DK]; JEPSEN HENRIK [DK]; EJRUP OLSEN JOHN [DK]	A ROOF MOUNTING DEVICE
WO2012056067 A2 20120503	WO2010ES70645 20101007	F24J2/54	SOLUCIONES TECN INTEGRALES NORLAND S L [ES]; ACHAERANDIO ALVARO [ES]; ERREA JAVIER [ES]	ACTUATOR DEVICE FOR A SOLAR TRACKER AND SOLAR TRACKER COMPRISING SAID DEVICE
WO2012056952 A1 20120503	WO2010ES70664 20101015	G02B5/08; B32B7/02; B32B15/04; F24J2/10	KONICA MINOLTA OPTO INC [JP]; ADACHI HITOSHI [JP]	FILM MIRROR, PROCESS FOR MANUFACTURE OF FILM MIRROR, AND MIRROR FOR REFLECTION OF SOLAR LIGHT
WO2012056953 A1 20120503	WO2010ES70666 20101018	G02B5/08; B32B15/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]; HONDA MIKA [JP]	MIRROR FOR REFLECTING SOLAR LIGHT, AND REFLECTION DEVICE FOR SOLAR POWER GENERATION
WO2012057003 A1 20120503	WO2010ES70733 20101115	G02B5/08; F03G6/00; F24J2/10; G02B1/10	KONICA MINOLTA OPTO INC [JP]; MOCHIZUKI MAKOTO [JP]	FILM MIRROR FOR SOLAR POWER GENERATION PURPOSES AND REFLECTION DEVICE FOR SOLAR POWER GENERATION PURPOSES

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WO2012057005 A1 20120503	WO2010FR00293 20100407; EP20090005506 20090417; EP20100717186 20100407	G02B5/08; F24J2/10; G02B1/10	KONICA MINOLTA OPTO INC [JP]; KUMAGAI TAKENORI [JP]	FILM MIRROR FOR SOLAR POWER GENERATION PURPOSES, PROCESS FOR MANUFACTURING FILM MIRROR FOR SOLAR POWER GENERATION PURPOSES, AND REFLECTION DEVICE FOR SOLAR POWER GENERATION PURPOSES
WO2012057073 A1 20120503	WO2010FR50088 20100121; FR20090050885 20090212	F24J2/48; B29C59/02; C25D1/00; C25D1/10; C25D11/04; C25D11/12; C25D11/18; C25D11/24; G02B1/11	SHARP KK [JP]; MINOURA KIYOSHI; ISURUGI AKINOBU; MINARI CHIAKI; HAYAMA TAKAFUMI	SOLAR THERMAL COLLECTOR MEMBER AND MANUFACTURING METHOD THEREOF
WO2012057115 A1 20120503	WO2010FR50097 20100122; FR20090050422 20090123	F24J2/04; F03G6/00; F24J2/24; F24J2/46; F24J2/48	IBIDEN CO LTD [JP]; MASHIMA KAZUTAKA [JP]; KATO MASATAKA [JP]	THERMAL RECEIVER AND SOLAR THERMAL POWER GENERATION DEVICE
WO2012057116 A1 20120503	WO2010FR50196 20100208; FR20090050884 20090212	F24J2/04; F03G6/00; F24J2/24; F24J2/46; F24J2/48	IBIDEN CO LTD [JP]; MASHIMA KAZUTAKA [JP]; KATO MASATAKA [JP]	THERMAL RECEIVER AND SOLAR THERMAL POWER GENERATION DEVICE
WO2012057117 A1 20120503	WO2010FR50922 20100512; FR20090053119 20090512	F24J2/04; F03G6/00; F24J2/24; F24J2/46; F24J2/48	IBIDEN CO LTD [JP]; MASHIMA KAZUTAKA [JP]; KATO MASATAKA [JP]	THERMAL RECEIVER AND SOLAR THERMAL POWER GENERATION DEVICE
WO2012057120 A1 20120503	WO2010FR51384 20100701; FR20090054547 20090702	F24J2/14; F03G6/00; F24J2/48; F24J3/06	IBIDEN CO LTD [JP]; MASHIMA KAZUTAKA [JP]; KATO MASATAKA [JP]	THERMAL COLLECTOR TUBE, THERMAL COLLECTOR AND CONCENTRATED SOLAR POWER SYSTEM
WO2012057958 A1 20120503	WO2010GB00268 20100215; IN2009DE00289 20090213	F24J2/38	LIGHTMFG LLC [US]; VON KRIES KARL [US]	SYSTEM, METHOD AND APPARATUS FOR SOLAR HEATED MANUFACTURING

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WO2012058765 A1 20120510	WO2010GB50536 20100330; GB20090006173 20090409; GB20090010539 20090618	F24J2/52; F24J2/54; G02B7/182	MAGNA INT INC [CA]; KOTAGIRI VIKAS [US]; WERNER MARK F [CA]; DEVOR MICHAEL J [US]; LANGWORTHY KEVIN R [US]; GABBIANELLI GIANFRANCO [US]	SUPPORT SYSTEM AND METHOD FOR TROUGH-SHAPED SOLAR ENERGY CONCENTRATORS
WO2012059123 A1 20120510	WO2010IB01529 20100624; IT2009UD00124 20090626	F24J2/26	LUVATA ESPOO OY [FI]; KEIFE HANS [SE]; KONTTINEN PETRI [FI]; FALKENOE ANDERS [SE]	A CHANNEL ARRANGEMENT FOR A SOLAR ABSORBER, A SOLAR ABSORBER, USE OF A CHANNEL ARRANGEMENT
WO2012059182 A1 20120510	WO2010IB02520 20100830; FR20090004203 20090904	F24J2/42	ETH ZUERICH [CH]; EISMANN RALPH [CH]; PRASSER HORST- MICHAEL [CH]	METHOD FOR DEGASSING A HEAT CARRIER LIQUID, AND APPARATUS FOR CARRYING OUT THE METHOD
WO2012059527 A2 20120510	WO2010IB50681 20100216; ZA20090001066 20090216	B29C70/02; B29D11/00; F24J2/10; G02B1/10; G02B5/08; G02B5/10	CCP COMPOSITES S A [FR]; TAILLEMITE SEBASTIEN [FR]	SOLAR REFLECTOR IN COMPOSITE MATERIAL BASED ON RESIN REINFORCED WITH CUT FIBRES, AND USES IN SOLAR PLANTS
WO2012059603 A1 20120510	WO2010IB51084 20100312; FR20090001207 20090313	F24F5/00; F24F7/04; F24F7/06; F24J2/04; F24J2/20	BERAZALUCE DE ARISTEGUI GUILLEN PABLO [ES]	MODULAR AIR SOLAR COLLECTOR
WO2012059605 A1 20120510	WO2010IB51321 20100325; US20090165226P 20090331	F24J2/18; F24J2/14	ABENGOA SOLAR NEW TECH SA [ES]; NUNEZ BOOTELLO JUAN PABLO [ES]	SOLAR COLLECTOR HAVING A MULTI-TUBE RECEIVER, THERMOSOLAR PLANTS THAT USE SAID COLLECTOR AND METHOD FOR OPERATING SAID PLANTS
WO2012059789 A1 20120510	WO2010IB51354 20100329; US20090165102P 20090331	C25D5/12; C25D7/06; C25D9/08; F24J2/46; F24J2/48	SELEKTIF TEKNOLOJI SANAYI TICARET LTD SIRKETI [TR]; KADIRGAN FIGEN [TR]	ROLL TO ROLL MANUFACTURING OF SOLAR SELECTIVE SHEETS



Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012060801 A1 20120510	WO2010IB51968 20100505; IT2009TO00363 20090506	F24J2/08	SOLARCHANGE LLC [US]; FALBEL GERALD	PHOTOVOLTAIC AND THERMAL ENERGY SYSTEM
WO2012060853 A2 20120510	WO2010IB51991 20100506; IT2009MI00771 20090506	F24J2/04; F24J2/24	FAKIH ALI A [US]	SOLAR THERMAL LAMPS AND GLOBES
WO2012061144 A2 20120510	WO2010IB52221 20100519; IT2009TO00382 20090519	F24J2/24; F24J2/04; F24J2/46	ESOLAR INC [US]; GREGORY CHRISTIAN [US]; YOGEV OR [US]	SOLAR THERMAL RECEIVER WITH CONCENTRIC TUBE MODULES
WO2012061204 A2 20120510	WO2010IB52338 20100526; US20090180949P 20090526; US20090224925P 20090713	G02B6/00; F24J2/06	BANYAN ENERGY INC [US]; GHOSH SHONDIP [US]; SCHULTZ DAVID SHELDON [US]; MACK JOHN HUNTER [US]; GRIMMER CHRISTOPHER STEPHEN [US]; FINE KEVIN RICHARD [US]	COMPACT OPTICS FOR CONCENTRATION AND ILLUMINATION SYSTEMS
WO2012061943 A1 20120518	WO2010IB52829 20100622; IT2010RM00032U 20100305	H01L31/052; F24J2/12; H01L31/058	EH2 9170 3173 QUEBEC INC [CA]; LABELLE STEPHANE [CA]	SOLAR POWER-GENERATION SYSTEM
WO2012062242 A2 20120518	WO2010IB55006 20101104	E04D13/18	ZORN THOMAS [DE]; WITTENBERG LARS UDO [DE]; ULRICH JUERGEN [DE]	SOLAR MODULE UNIT FOR FITTING ON A FLAT ROOF AND METHOD FOR FIXING A SOLAR MODULE UNIT ON A FLAT ROOF
WO2012062732 A1 20120518	WO2010IL00083 20100201; US20090152241P 20090212; US20090153656P 20090219; US20090164474P 20090330	B29D11/00; F24J2/10; F24J2/14	HYDRO ALUMINIUM ROLLED PRODUCTS GMBH [DE]; DENKMANN VOLKER [DE]; SCHENKEL WILHELM [DE]; SIEMEN ANDREAS [DE]; HAMPEL ULRICH [DE]; EBERHARD SANDRA [DE]	METHOD FOR MANUFACTURING A TROUGH MIRROR FOR SOLAR TROUGH

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012063838 A1 20120518	WO2010IL00123 20100211; US20090152238P 20090212; US20090219780P 20090624; US20090219779P 20090624	F24J2/42; F24J2/48	TOKYO INST TECH [JP]; TAMAURA YUTAKA [JP]	METHOD AND SYSTEM FOR STORING SOLAR HEAT
WO2012065206 A2 20120524	WO2010IT00283 20100625; IT2009BS00130 20090707	F24J2/52	NOCKER THOMAS [AT]	INSTALLATION SYSTEM AND METHOD FOR FASTENING SOLAR MODULE FRAMES ONTO PRIMARY RAILS LOCATED THEREBELOW
WO2012065251 A1 20120524	WO2010IT00327 20100722	F24J2/52	MAGNA INT INC [CA]; POWROZEK ERIC A [US]; SZADYR PETER M [US]; WERNER MARK F [CA]	SOLAR PANEL SUPPORT WITH INTEGRATED BALLAST CHANNELS
WO2012065526 A1 20120524	WO2010IT00392 20100915	F24J2/00; F21S11/00; F21V7/00; F21V8/00; F24J2/02; F24J2/46; G02B7/182; G02B19/00	LI ZHONGXIAO [CN]; DENG XINJUN [CN]	SOLAR ENERGY CONVERGING METHOD AND APPLICATION THEREOF IN HEATING AND ILLUMINATION
WO2012065648 A1 20120524	WO2010JP05283 20100827	F24J2/46; C09D5/32; F24J2/48	SIEMENS AG [DE]; SIEMENS CONCENTRATED SOLAR POWER LTD [IL]; BARKAI MENASHE [IL]; GETTE ALEXANDER [IL]	SOLAR ENERGY ABSORPTIVE COATING, ARRANGEMENT OF THE COATING ON A SUBSTRATE, METHOD FOR MANUFACTURING THE ARRANGEMENT AND USE OF THE ARRANGEMENT
WO2012066062 A1 20120524	WO2010JP05450 20100906	F24J2/07; F24J2/08; F24J2/38; F24J2/40	SIEMENS AG [DE]; BACHMAIER GEORG [DE]; BERGMANN DOMINIK [DE]; GERLICH MATTHIAS [DE]; HENNIG OLIVER [DE]; TUMP CHRISTIAN [DE]; ZOELS	PASSIVE FINE-ADJUSTMENT CONCEPT FOR CPV PLANTS

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
			WOLFGANG [DE]	
WO2012066154 A1 20120524	WO2010JP51577 20100204; JP20090053466 20090306	F24J2/46; B08B1/04; B60P3/00	LOGISTICA Y ACONDICIONAMIENTO S IND S A U [ES]; LACALLE BAYO JESUS [ES]	VEHICLE FOR CLEANING MIRRORS IN THERMAL-SOLAR-ENERGY-CAPTURE INSTALLATIONS
WO2012066201 A1 20120524	WO2010JP53624 20100305; JP20090053818 20090306; JP20090252587 20091104	F24J2/52; F24J2/04; F24J2/54	GCMSD [FR]; CORBERANT GERARD [FR]; MOUGET ANDRE [FR]; GIRARDIN PASCAL [FR]	SOLAR-POWER GENERATION FACILITY HAVING DIRECTABLE COLLECTORS
WO2012067082 A1 20120524	WO2010JP59674 20100608; JP20090138576 20090609	H01L31/052; F24J2/04; F24J2/08	NIPPON KOGAKU KK [JP]; UCHIDA WAKANA [JP]; NIWA TATSUO [JP]; SENGU TATSUYA [JP]; FUJIWARA SHOHEI [JP]; SAITO TADAHIKO [JP]	CONDENSER DEVICE, PHOTOVOLTAIC POWER GENERATOR, AND LIGHT-HEAT CONVERTER
WO2012068230 A2 20120524	WO2010JP67095 20100930	F24J2/04; F24J2/07	GURIN MICHAEL [US]	NON-LINEAR SOLAR RECEIVER
WO2012068272 A2 20120524	WO2010JP67097 20100930	F24J2/04; H01L31/042	COMBINED POWER COOPERATIVE [US]; KING JOHN D H [US]; KRAMER NICHOLAS A [US]; OLIVER THOMAS E [US]	SYSTEMS AND METHODS OF DRY COOLING
WO2012069030 A1 20120531	WO2010JP67099 20100930	F24J2/52	SCHLETTER GMBH [DE]; MADLINDL STEFAN [DE]	EDGE PROTECTION ELEMENT OF A CLAMPING DEVICE FOR FRAMELESS PV MODULES

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012069718 A1 20120531	WO2010JP67168 20100930	C09K9/00; C22F1/00; F24J2/46; G02B1/10	VIESSMANN FAULQUEMONT [FR]; MERCUS DAVID [FR]	ABSORBENT MATERIAL AND SOLAR PANEL USING SUCH A MATERIAL
WO2012070436 A1 20120531	WO2010JP67182 20100930	G02B7/182; F24J2/10; F24J2/38; G02B5/08; G02B5/10	KONICA MINOLTA OPTO INC [JP]; ISHIHARA HIDEYUKI [JP]	REFLECTING MIRROR, MIRROR STRUCTURE, AND SOLAR THERMAL POWER GENERATION SYSTEM
WO2012070741 A1 20120531	WO2010KR00684 20100204; KR20090008741 20090204	F24J2/38; F24J2/54; H01L31/052	BUSI POWER CO LTD [KR]; PARK GI JU [KR]; JANG CHUL SOO [KR]; NAM HYUNG DO [KR]; SEO WAN YONG [KR]	ROBOT-TYPE SOLAR TRACKING APPARATUS
WO2012070799 A2 20120531	WO2010KR06244 20100914	F24J2/10; F21S11/00; G02B6/00; H01L31/052	YORK AIRCONDITIONING CORP [KR]; HONG KI HO [KR]	SUNLIGHT COLLECTION STRUCTURE, MULTI LIGHT COLLECTION METHOD, AND SUNLIGHT TRANSMISSION DEVICE
WO2012071781 A1 20120607	WO2010MX00058 20100628	F24J2/20; B29C65/02	LI JIANQUAN [CN]	WHOLE-WET PLASTIC HEAT ABSORBING PLATE, FLAT PLATE HEAT COLLECTOR, FLAT PLATE SOLAR WATER HEATER AND PLASTIC HEAT SEALER
WO2012071975 A1 20120607	WO2010NL00100 20100618; NL20092003041 20090618	F24J2/05; F24J2/24; F24J2/32	BOEN SOLAR TECHNOLOGY CO LTD [CN]; LIU ZHIGUO [CN]	FLAT PLATE SOLAR COLLECTOR
WO2012073058 A1 20120607	WO2010SE00241 20101012	F24J2/46; F24J2/22; F24J2/50; F28D1/03; F28D1/047	MOLNAR PAL [HU]	HEAT EXCHANGER PANEL AND METHOD FOR MANUFACTURING THEREOF
WO2012073664 A1 20120607	WO2010SE50168 20100212; SE20090000198 20090217	F24J2/24; F24J2/14	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]; KAWANE SHINICHIROU [JP]; NAKAMURA KENJI [JP]; SAKUMA MASAYOSHI [JP]	SOLAR THERMAL COLLECTOR TUBE

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012073665 A1 20120607	WO2010SE50698 20100618; SE20090050470 20090618	F24J2/12; F24J2/24; G02B5/10; G02B7/182	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD [JP]; KAWANE SHINICHIROU [JP]; YOSHIDA JUN [JP]; KAWAMURA MUNENORI [JP]; UEDA HIRONOBU [JP]	SOLAR THERMAL COLLECTOR
WO2012073676 A1 20120607	WO2010TR00031 20100205; TR20090001114 20090216	F24J2/06; F03G6/00; F24J2/24	mitsubishi heavy ind LTD [JP]; KOBAYASHI KAZUTA [JP]; TAGAWA MASASHI [JP]; OSADA TOSHIYUKI [JP]; AOYAMA KUNIAKI [JP]; MASUDA MASAHIRO [JP]; OKUBO TAKESHI [JP]; SASAKI SHUHEI [JP]; FURUTANI AKIRA [JP]; KATO JIN [JP]; NAKATANI HIROMI [JP]	SOLAR HEAT RECEIVING VESSEL
WO2012075149 A2 20120607	WO2010US00068 20100113; US20090144256P 20090113	H01L31/042	FIRST SOLAR INC [US]; BELLACICCO JOHN [US]; KUSTER THOMAS P [US]; HARTELIUS JOHN [US]; CABUHAY HENRY [US]; OSHMAN TOM [US]; MONACO MICHAEL [US]; PERKINS MARTIN [US]	METHOD AND APPARATUS PROVIDING SIMPLIFIED INSTALLATION OF A PLURALITY OF SOLAR PANELS

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012075437 A1 20120607	WO2010US00773 20100315; US20090210198P 20090316; US20100661321 20100313	F24J2/38	BLACK SWAN SOLAR INC [US]; FUKUBA DANIEL [US]; GOBLE JOS [US]; TRUJILLO SALOMON [US]; CURRIER THOMAS [US]; WASIQ BOKHARI [US]	ROBOTIC HELIOSTAT CALIBARATION SYSTEM AND METHOD
WO2012076007 A1 20120614	WO2010US01062 20100410; US20090212854P 20090416	F24J2/52	ZOSEL CHRISTOF [DE]	FRAME FOR THE FLOATING MOUNTING OF AT LEAST ONE SOLAR COLLECTOR
WO2012076737 A1 20120614	WO2010US02113 20100729	F24J2/52; H01L31/042	LAHORA CRUZ JORGE AGUSTIN [ES]	SUPPORT STRUCTURE FOR SOLAR PANELS WITH MULTIFUNCTIONAL SECURING ELEMENTS
WO2012076949 A1 20120614	WO2010US02878 20101101	F24J2/12; F24J2/32	ELECTROTHERM RENEWABLES [IN]; KARORIA RAVIKUMAR VALJIBHAI [IN]; PANDYA SHAILESH VIRENDRABHAI [IN]; BHANDARI SIDDARTH MUKESH [IN]; SHAH SACHIN RAMESHCHANDRA [IN]	A SOLAR PARABOLIC TROUGH COLLECTOR OR REFLECTOR SYSTEM
WO2012076970 A1 20120614	WO2010US20597 20100111; US20090355339 20090116; US20090407555 20090319; US20090407602 20090319; US20090436226 20090506	E04C2/32; E04D3/30; F24J2/52	TUBE PROFIL EQUIPEMENT ETS JEAN MINISCLOUX [FR]; MINISCLOUX FRANCIS [FR]	DEVICE FOR COVERING A ROOF WITH A SOLAR COLLECTOR

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012077285 A1 20120614	WO2010US21708 20100122; US20090146508P 20090122; US20090171263P 20090421; US20090254963P 20091026	F24J2/38; F24J2/10; G02B7/182; H01L31/052	NABTESCO CORP [JP]; SAITO MAKOTO [JP]; SAKURAI KAZUHIKO [JP]; TANAKA SATOSHI [JP]; TANAKA MOTOHIRO [JP]	HELIOSTAT AND SOLAR-LIGHT CONDENSING SYSTEM
WO2012077771 A1 20120614	WO2010US22207 20100127; US20090416358 20090401	G02B5/08; F24J2/10; G02B5/10	ASAHI GLASS CO LTD [JP]; KAWANAMI SOHEI [JP]; YAMADA KAZUO [JP]; MITSUI YOKO [JP]; MORIYA KOKI [JP]	REFLECTIVE MIRROR AND MANUFACTURING METHOD THEREFOR
WO2012078059 A2 20120614	WO2010US22780 20100201; US20090149292P 20090202; US20090176041P 20090506		STROJECKI JAROSLAW [PL]; BIALOUSZ JERZY ADAM [PL]	AN ABSORPTION VACUUM TUBE WITH HEAT PIPE, A DRY TYPE HEAT EXCHANGER AND A SOLAR COLLECTOR WITH THE HEAT EXCHANGER AND THE ABSORPTION VACUUM TUBES.
WO2012078452 A1 20120614	WO2010US23061 20100203; US20090154341P 20090220	F24J2/50; G02B1/12; G02B5/02; G02B27/00; H01L31/0236; H01L31/052	3M INNOVATIVE PROPERTIES CO [US]; PETT TODD G [US]; HEBRINK TIMOTHY J [US]; WRIGHT ROBIN E [US]; DAVID MOSES M [US]; MCCLURE DONALD J [US]; STROBEL MARK A [US]	GLASS-LIKE POLYMERIC ANTIREFLECTIVE FILMS, METHODS OF MAKING AND LIGHT ABSORBING DEVICES USING SAME
WO2012078491 A1 20120614	WO2010US23065 20100203; US20090154345P 20090220	E04D13/18; E04D1/08; E04D1/30; F24J2/04; H01L31/048	SOLUS ENGINEERING LLC [US]; DESLOOVER PAUL [US]	ROOF TILES AND RELATED SYSTEMS

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012079061 A1 20120614	WO2010US23077 20100203; US20090154347P 20090220	F24J2/46	ZEP SOLAR INC [US]; WEST JOHN RAYMOND [US]; COLEMAN NATE [US]; HUDSON TYRUS HAWKES [US]; JOHANSEN EMIL [US]; CAPSUTO IAN [US]; MEDCROFT CHAD [US]; ATCHLEY BRIAN [US]	SKIRT FOR PHOTOVOLTAIC ARRAYS
WO2012079143 A1 20120621	WO2010US23079 20100203; US20090154344P 20090220	F24J2/18; F24J2/38	TULI RAJA SINGH [CA]	SOLAR ENERGY CONCENTRATOR
WO2012080533 A1 20120621	WO2010US23591 20100209; US20090392316 20090225	F24J2/10; F24J2/38; F24J2/54; G01S3/786	UNIV POLITECNICA DE MADRIDD [ES]; MARTINEZ-VAL PENALOSA JOSE MARIA [ES]	SYSTEM FOR FOCUSING SOLAR COLLECTORS ON THE SUN
WO2012080542 A1 20120621	WO2010US24032 20100212; US20090207629P 20090213	F24J2/46; B08B3/02	ABENGOA SOLAR NEW TECH SA [ES]; VARO NUNEZ JUAN MANUEL [ES]	DEVICE FOR CLEANING THE ABSORPTION TUBES OF PARABOLIC-TROUGH SOLAR COLLECTORS
WO2012081014 A1 20120621	WO2010US24652 20100219; US20090153748P 20090219; US20100708092 20100218	F24J2/42	LAHYANI YEHUDA [IL]	A SYSTEM FOR DETERMINING THE AMOUNT OF HOT WATER IN A BOILER



Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012081301 A1 20120621	WO2010US25108 20100223; US20090154587P 20090223; US20090233354P 20090812; US20090243400P 20090917; US20090285801P 20091211; US20100301950P 20100205	F24F5/00; F24J2/42	HITACHI PLANT TECHNOLOGIES LTD [JP]; KIKUCHI HIROSHIGE [JP]; KAWANE SHINICHIROU [JP]; YOSHIDA JUN [JP]; OSHIMA NOBORU [JP]; SUZUKI KOJI [JP]	COOLING SYSTEM
WO2012081642 A1 20120621	WO2010US25707 20100228; US20090208913P 20090228; US20090209681P 20090310	C09D127/12; C09D5/33; C09D175/04; F24J2/10	ASAHI GLASS CO LTD [JP]; AIKAWA MASATAKA [JP]; SAITO SHUN [JP]	COATING COMPOSITION FOR SURFACE COATING OF REFLECTIVE PLATE FOR SOLAR HEAT COLLECTOR AND PRODUCTION METHOD FOR REFLECTIVE PLATE FOR SOLAR HEAT COLLECTOR
WO2012083321 A1 20120628	WO2010US27061 20100311; US20090209970P 20090311; US20100722498 20100311	F24J2/52; F24J2/10; F24J2/36	HELIOVIS AG [AT]; MUNZENRIEDER GERALD [AT]; SCHEIDL THOMAS [AT]; STOEGER ELMAR [AT]	INFLATABLE CONCENTRATOR FOR CONCENTRATING RADIATION AND METHOD FOR
WO2012083337 A1 20120628	WO2010US27556 20100317; US20090164047P 20090327; US20100709045 20100219; US20100709091 20100219	F24J1/00; F24J2/00; F28F1/00; F28F1/02; F28F1/04; F28F1/06	RHEEM AUSTRALIA PTY LTD [AU]; HATZIOANNOU MARIO [AU]; MICALLEF DAVID [AU]	A THERMAL EXPANSION JOINT OR CONDUIT

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012083374 A1 20120628	WO2010US27672 20100317; US20090160775P 20090317	G02B5/10; F24J2/12; F24J2/46	COMMW SCIENT IND RES ORG [AU]; BURTON ALEXANDER IAN [AU]	HELIOSTAT CONSTRUCTION
WO2012083377 A1 20120628	WO2010US28047 20100319; US20090162125P 20090320	F24J2/07; F24J2/04; F24J2/42	KASHIMA IND HOLDING PTY LTD [AU]; PEARSON CHRIS ROBERT [AU]; POINTER SIMON BARRATT [AU]	SOLAR THERMAL POWER APPARATUS
WO2012083383 A1 20120628	WO2010US30300 20100407; US20090167386P 20090407; US20100755335 20100406	F24J2/38; F24J2/40; F24J2/46	COMMW SCIENT IND RES ORG [AU]; BURTON ALEXANDER IAN [AU]	HELIOSTAT CALIBRATION AND CONTROL
WO2012083471 A2 20120628	WO2010US34827 20100514; US20090179189P 20090518	F24J2/04; E06B3/67; F24J2/40; F24J2/46	GLASSX AG; BERTSCH STEFAN [CH]; OPPLIGER DANIEL [CH]; MENZI TOBIAS [CH]	FACADE ELEMENT
WO2012083765 A1 20120628	WO2010US37688 20100608; US20090268129P 20090608	F24J2/46	BOEN SOLAR TECHNOLOGY CO LTD [CN]; LIU ZHIGUO [CN]	SOLAR ENERGY PANEL HEAT COLLECTOR
WO2012085301 A1 20120628	WO2010US49196 20100916; US20100361238P 20100702; US20100361266P 20100702; US20100361251P 20100702; US20100361215P 20100702	F24J2/46	UNIV MADRID POLITECNICA [ES]; MARTINEZ-VAL PENALOSA JOSE MARIA [ES]	SOLAR THERMAL ENERGY COLLECTOR

Número de Documento	Prioridade (s)	Classificação Internacional	Depositante	Título
WO2012085316 A1 20120628	WO2010US57380 20101119	F24J2/54; F15B15/06	ABENGOA SOLAR NEW TECH SA [ES]; ENRILE MEDINA JUAN [ES]; RODRIGUEZ CARNERO GUSTAVO [ES]; ALBARRAN LIGERO JUSTO [ES]	MECHANISM FOR TURNING STRUCTURAL SUPPORTS WITH OLEOHYDRAULIC ACTUATION
WO2012087801 A2 20120628	WO2011B50422 20110131; EP20100152092 20100129	F24J2/10; F24J2/52; H01L31/052	SUNPOWER CORP [US]; WARES BRIAN [US]; ALMY CHARLES [US]; BARTON NICHOLAS [US]	LOCATING CONNECTORS AND METHODS FOR MOUNTING SOLAR HARDWARE
WO2012087827 A2 20120628	WO2011JP51976 20110201	H01L31/052; F24J2/06; F24J2/52	SUNPOWER CORP [US]; WARES BRIAN [US]; ALMY CHARLES [US]	LOCATING CONNECTORS AND METHODS FOR MOUNTING SOLAR HARDWARE
WO2012087935 A2 20120628	ZA20110002170 20110323; ZA20100004584 20100630	B01D3/00; F24J2/00	LEE JAMES WEIFU [US]	PHOTOVOLTAIC PANEL-INTERFACED SOLAR-GREENHOUSE DISTILLATION SYSTEMS

## Anexo 1: Códigos dos Principais Países

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

Fonte: <http://www.wipo.int/export/sites/www/scit/en/standards/pdf/030301.pdf>, acesso: março 2008

<sup>1</sup> A OAPI é um organismo intergovernamental encarregado 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. Aplica uma legislação uniforme que tem lugar de lei nacional para cada um dos Estados-Membros: o Acordo de Bangui. Estes títulos de proteção têm efeito automático em cada um dos seguintes Estados-membros: Benim, Burquina Faso, Camarões, África Central, Congo, Costa do Marfim, Gabão, Guiné, Guiné Bissau, Guiné Equatorial, Mali, Mauritânia, Nigéria, Senegal, Chade e Togo.

<sup>2</sup> O código “WO” é utilizado para a publicação internacional dos pedidos depositados via Tratado de Cooperação em Matéria de Patentes (PCT) em qualquer um dos países receptores destes pedidos.