

Classificação Cooperativa de Patentes (CPC)

Módulo Avançado - Complementar I

*Pesquisadores em PI
DIESP / CEPIT / DIRPA*

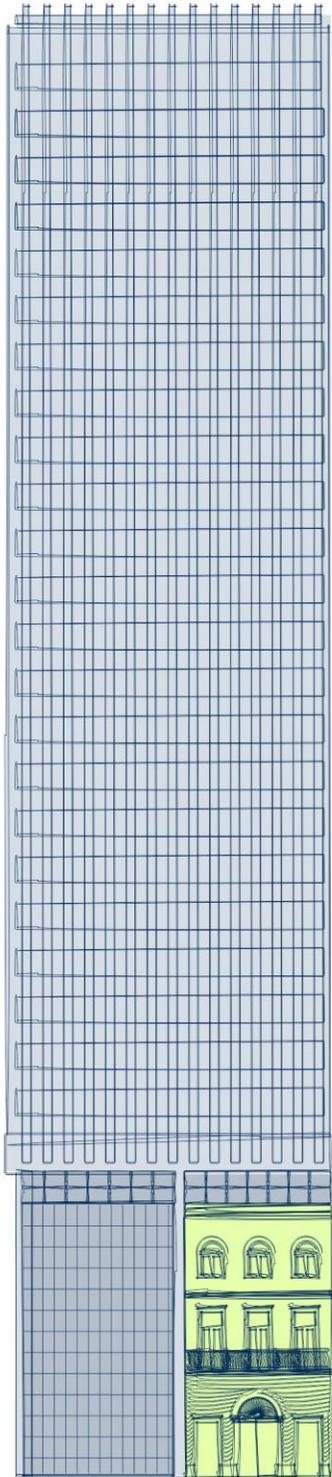
Rio de Janeiro, outubro de 2022

Classificação CPC

ATENÇÃO:

Este material complementa conhecimentos apresentados anteriormente nos módulos do **Nível Básico** e no tutorial sobre a *Classificação Internacional de Patentes*.

Caso ainda não os tenha lido, por favor acesse-os antes de prosseguir.



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Introdução e cobertura da CPC

As buscas exemplificadas nos módulos do Nível Básico utilizam a Classificação Internacional de Patentes (IPC) como filtro para localizar patentes na área tecnológica de interesse.

Entretanto, esta não é a única classificação que pode ser usada nas bases apresentadas: uma outra opção na base *Espacenet* é a CPC (*Cooperative Patent Classification*, em inglês, ou *Classificação Cooperativa de Patentes*).

Lançada em janeiro de 2013, a CPC é fruto de cooperação entre os escritórios Europeu de Patentes (EPO) e Norte-Americano de Patentes e Marcas (USPTO).

É uma classificação mais detalhada, permitindo maior precisão na busca e recuperação de documentos de patente, sendo 250.000 itens de classificação (CPC), face aos 70.000 itens (IPC).

Introdução e cobertura da CPC

Devido ao nível de detalhamento, o uso da CPC em buscas de patentes leva a resultados mais precisos e reduz o número de palavras chave necessárias. Isto ocorre para as patentes já classificadas pela CPC, conjunto que representa uma parte de todas as patentes no mundo.

- Por exemplo, a CPC está presente nas coleções completas dos documentos de patente EP e US, depositados nos escritórios Europeu e dos Estados Unidos e que podem ser acessados no Espacenet e no USPTO.
- Cerca de 53 milhões de documentos de patente no mundo já possuem classificação CPC*.

*Cooperative Patent Classification: annual Report 2017/2018. Disponível em: [CPC Annual Reports | Cooperative Patent Classification](#)

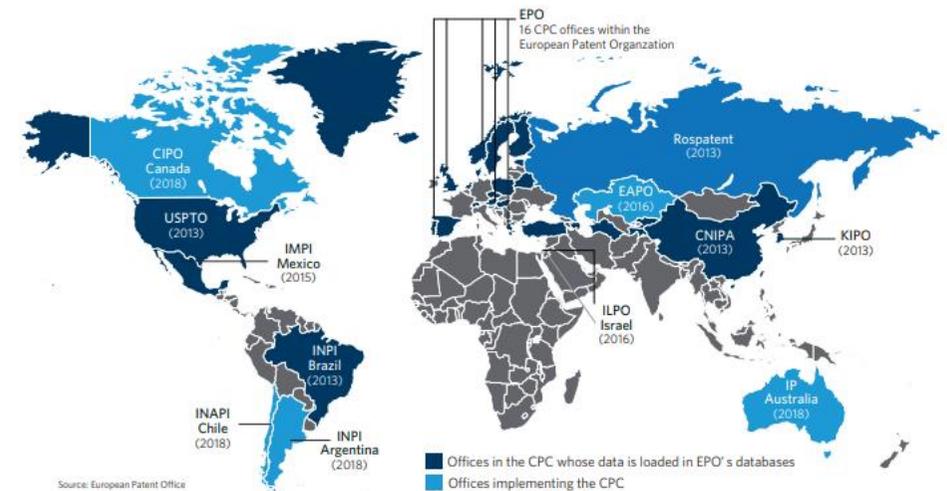
Classificação CPC

Introdução e cobertura da CPC

Segundo o último relatório anual da CPC, cerca de 45 institutos de patentes em todo o mundo já utilizam essa classificação.

Patentes dos EUA, Alemanha, Bélgica e França, a partir dos anos 1800, já estão classificadas pela CPC. Da Grã-Bretanha, Holanda, Luxemburgo e Suíça, a partir do início do século XX. Da Áustria, Austrália e Canadá, a partir dos anos 1970.

Portanto, a busca de patentes usando a CPC para documentos destes países traz resultados consistentes.



Países com escritórios na CPC

Fonte: Cooperative Patent Classification: Annual Report 2017/2018. Disponível em: [CPC Annual Reports | Cooperative Patent Classification](#)

Classificação CPC

Introdução e cobertura da CPC

Alguns exemplos de países com classificação CPC.

Gradualmente, cresce o número de países utilizando a CPC para a classificação de seus documentos de patente.

O INPI (Brasil) também está classificando documentos recentes pela CPC, desde dezembro de 2014.

| COUNTRY | COUNTRY CODE | NUMBER OF PUBLICATIONS WITH CPCNO SYMBOLS (DOCUMENT LEVEL) FEBRUARY 2018 | NUMBER OF PUBLICATIONS WITH CPCNO SYMBOLS (DOCUMENT LEVEL) DECEMBER 2018 |
|----------------|--------------|--|--|
| BRAZIL | BR | 9,842 | 17,571 |
| CHINA | CN | 1,769,923 | 3,118,677 |
| KOREA | KR | 1,096,094 | 1,548,437 |
| MEXICO | MX | 1,516 | 1,516 |
| RUSSIAN FED. | RU | 45,521 | 97,025 |
| AUSTRIA | AT | 8,258 | 10,110 |
| SPAIN | ES | 33,092 | 34,679 |
| FINLAND | FI | 8,001 | 8,818 |
| UNITED KINGDOM | GB | 138,249 | 150,118 |
| GREECE | GR | 5,812 | 6,507 |
| NORWAY | NO | 3,312 | 7,833 |
| PORTUGAL | PT | 297 | 480 |
| SWEDEN | SE | 141,350 | 142,656 |
| SWITZERLAND | CH | 91 | 1,901 |

Fonte: Cooperative Patent Classification: Annual Report 2017/2018. Disponível em: [CPC Annual Reports | Cooperative Patent Classification](#)

Classificação CPC

Introdução e cobertura da CPC

Exemplo de folha de rosto de documento nacional classificado pela CPC

Tanto a CPC como a IPC constam na folha de rosto do pedido de patente.

A IPC ainda é a classificação comum a mais de 90 países.



(21) BR 20 2013 011885-6 U2

(22) Data de Depósito: 06/05/2013

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(RPI 2317)



(54) Título: SUPORTE EM CONE PARA ALIMENTOS

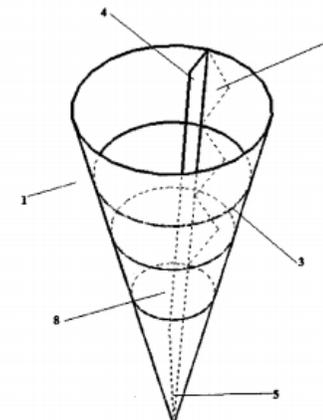
(51) Int.Cl.: B65D75/58; B65D3/26; A47G21/00;
B65D3/06; B65D85/78

(52) CPC: B65D75/5844; B65D3/262; A47G21/001;
B65D3/06; B65D85/78

(73) Titular(es): FUNDAÇÃO UNIVERSIDADE FEDERAL
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MATHEUS BARROS MACÊDO, NILTON LUIZ
MENEGON, RAUL ATIQUÉ RODRIGUES SILVA

(57) Resumo: SUPORTE EM CONE PARA ALIMENTOS
A presente patente de Modelo de Utilidade descreve um suporte (1) em cone para alimentos (2) dito suporte compreendendo uma peça única em quatro partes, a saber, três tiras (8) paralelas dotadas de recortes (3) e abas (6) que auxiliam no destaque das tiras (8) à medida que o alimento é consumido, e o fundo ou parte inferior (5). As extremidades do suporte (1) são fixadas uma à outra por bordas (4). A geometria do suporte (1) é tal que a parte inferior (5) apresenta maior durabilidade e resistência comparada às outras faces do suporte (1), tal efeito sendo resultante da união das dobras do papel. O suporte (1) apresenta ainda um espaço (7) destinado a anúncios publicitários



Classificação CPC

Estrutura da CPC

Divide o conhecimento tecnológico em nove grandes áreas (Seções):

- Seção A - Necessidades Humanas
- Seção B - Operações de Processamento; Transporte
- Seção C - Química e Metalurgia
- Seção D - Têxteis e Papel
- Seção E - Construções Fixas
- Seção F - Eng. Mecânica; Iluminação; Aquecimento; Armas; Explosão
- Seção G - Física
- Seção H - Eletricidade
- Seção Y - Novos Desenvolvimentos Tecnológicos

Esta estrutura é análoga à estrutura da *Classificação Internacional de Patentes*. Porém, além de apresentar uma nova Seção (Y) e maior quantidade de subclassificações, ela não é simplesmente um detalhamento da IPC.

Estrutura da CPC

A CPC possui a seção **Y**, destinada à classificação de novos desenvolvimentos tecnológicos, ou “tecnologias emergentes”, ou ainda tecnologias que abrangem de forma inter-relacionada diversos setores da CPC.

A seção **Y** está dividida em três Classes:

- **Y02** - abrange tecnologias visando mitigação de, ou adaptação, às mudanças climáticas;
- **Y04** - tecnologias de telecomunicações ou de sistemas de informação com impacto/ influência em outras áreas tecnológicas; e
- **Y10** - assuntos técnicos cobertos pela classificação anterior de patentes norte-americana.

Estrutura da CPC

A classe **Y02** inclui tecnologias voltadas aos efeitos de mudanças climáticas, como por exemplo:

- tecnologias para mitigação das mudanças climáticas relacionadas com edificações, por exemplo, captura, armazenagem e eliminação de gases causadores do efeito-estufa;
- tecnologias para a redução da emissão de gases do efeito estufa relacionados à geração, transmissão ou distribuição de energia;
- tecnologias para mitigação das mudanças climáticas relacionadas ao tratamento ou gestão de resíduos.

Estrutura da CPC

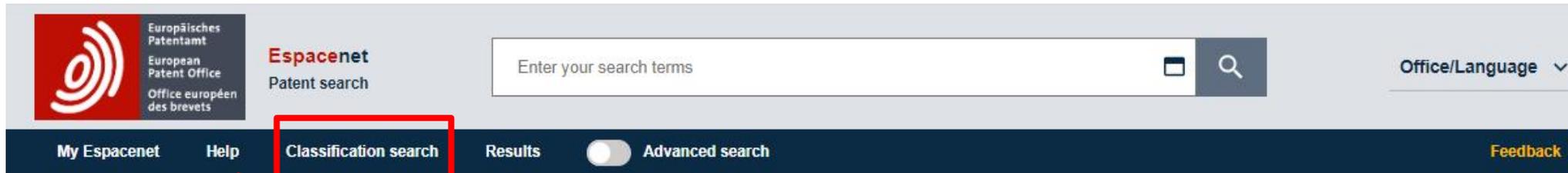
A classe **Y04** inclui tecnologias de informação e comunicação voltadas à área de energia elétrica, como:

- sistemas integrando tecnologias relacionados à operação de redes de alta potência;
- tecnologias de comunicação ou informação para melhorias da geração de energia elétrica;
- geração, transmissão, distribuição, gerenciamento ou uso da energia elétrica (redes inteligentes).

As classes **Y02** e **Y04** foram criadas para monitorar novos desenvolvimentos tecnológicos e são sempre usadas em conjunto com as classificações específicas das outras seções.

Classificação CPC

A CPC na base *Espacenet*



Espacenet: free access to over 140 million patent documents

Escolher a aba
“*Classification search*”



Para acessar a CPC na base
Espacenet, clicar no link:
[Espacenet – patent search](#)

Quick access

Discussion forum

Pocket guide

A CPC na base Espacenet

A partir da estrutura, pode-se explorar os símbolos da CPC.

Para detalhes de uma classificação, clicar na classificação desejada (escolher uma, de A a H, ou Y).

Classification search

Enter a keyword or a classification symbol

Index [A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [Y](#)

A »

| Classification symbol | Title and description | |
|----------------------------|---|---|
| <input type="checkbox"/> A | HUMAN NECESSITIES [2013-01] | <input type="button" value="S"/> |
| <input type="checkbox"/> B | PERFORMING OPERATIONS; TRANSPORTING [2016-05] | <input type="button" value="S"/> <input type="button" value="i"/> |
| <input type="checkbox"/> C | CHEMISTRY; METALLURGY [2013-01] | <input type="button" value="S"/> <input type="button" value="i"/> |
| <input type="checkbox"/> D | TEXTILES; PAPER [2013-01] | <input type="button" value="S"/> |
| <input type="checkbox"/> E | FIXED CONSTRUCTIONS [2013-01] | <input type="button" value="S"/> |
| <input type="checkbox"/> F | MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING [2019-02] | <input type="button" value="S"/> <input type="button" value="i"/> |
| <input type="checkbox"/> G | PHYSICS [2017-05] | <input type="button" value="S"/> <input type="button" value="i"/> |
| <input type="checkbox"/> H | ELECTRICITY [2020-01] | <input type="button" value="S"/> <input type="button" value="i"/> |
| <input type="checkbox"/> Y | GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS [2013-01] | <input type="button" value="S"/> <input type="button" value="i"/> |

Nota: Esta classificação está disponível apenas no idioma inglês

Classificação CPC

A CPC na base Espacenet

Por exemplo, pode-se selecionar “A”, de Necessidades Humanas (“*Human Necessities*”), e em seguida A43, referente a Calçados (“*Footwear*”):

| Classification symbol | Title and description |
|-------------------------------------|--|
| <input type="checkbox"/> A | HUMAN NECESSITIES |
| | AGRICULTURE |
| <input type="checkbox"/> A01 | AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING |
| | FOODSTUFFS; TOBACCO |
| <input type="checkbox"/> A21 | BAKING; EDIBLE DOUGHS |
| <input type="checkbox"/> A22 | BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH |
| <input type="checkbox"/> A23 | FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES |
| <input type="checkbox"/> A24 | TOBACCO; CIGARS; CIGARETTES; SIMULATED SMOKING DEVICES; SMOKERS' REQUISITES |
| | PERSONAL OR DOMESTIC ARTICLES |
| <input type="checkbox"/> A41 | WEARING APPAREL |
| <input type="checkbox"/> A42 | HEADWEAR |
| <input type="checkbox"/> A43 | FOOTWEAR |
| <input type="checkbox"/> A44 | HABERDASHERY; JEWELLERY |
| <input type="checkbox"/> A45 | HAND OR TRAVELLING ARTICLES |
| <input type="checkbox"/> A46 | BRUSHWARE |
| <input type="checkbox"/> A47 | FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEAN |
| | HEALTH; AMUSEMENT |
| <input type="checkbox"/> A61 | MEDICAL OR VETERINARY SCIENCE; HYGIENE |
| <input type="checkbox"/> A62 | LIFE-SAVING; FIRE-FIGHTING |
| <input type="checkbox"/> A63 | SPORTS; GAMES; AMUSEMENTS |
| <input type="checkbox"/> A99 | SUBJECT MATTER NOT OTHERWISE PROVIDED FOR IN THIS SECTION |

| Classification symbol | Title and description |
|-------------------------------------|---|
| <input type="checkbox"/> A | HUMAN NECESSITIES |
| | PERSONAL OR DOMESTIC ARTICLES |
| <input type="checkbox"/> A43 | FOOTWEAR |
| <input type="checkbox"/> A43B | CHARACTERISTIC FEATURES OF FOOTWEAR; PARTS OF FOOTWEAR |
| <input type="checkbox"/> A43C | FASTENINGS OR ATTACHMENTS OF FOOTWEAR; LACES IN GENERAL |
| <input type="checkbox"/> A43D | MACHINES, TOOLS, EQUIPMENT OR METHODS FOR MANUFACTURING OR REPAIRING FOOTWEAR |

A CPC na base Espacenet

Localizando uma classificação na CPC

O campo abaixo pode ser utilizado tanto para acessar uma determinada classificação da CPC, como para buscar classificações possíveis, usando uma determinada palavra-chave.

My Espacenet Help Classification search Results

Classification search

Enter a keyword or a classification symbol Search

Index A B C D E F G H Y

← → ⓘ ↶ ▲ ● CPC 📅 [...] 2000 2000 A »

| Classification symbol | Title and description | |
|----------------------------|---|-----|
| <input type="checkbox"/> A | HUMAN NECESSITIES | S |
| <input type="checkbox"/> B | PERFORMING OPERATIONS; TRANSPORTING | S ● |
| <input type="checkbox"/> C | CHEMISTRY; METALLURGY | S ● |
| <input type="checkbox"/> D | TEXTILES; PAPER | S |
| <input type="checkbox"/> E | FIXED CONSTRUCTIONS | S |
| <input type="checkbox"/> F | MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING | S ● |
| <input type="checkbox"/> G | PHYSICS | S ● |
| <input type="checkbox"/> H | ELECTRICITY | S ● |
| <input type="checkbox"/> Y | GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS | S ● |

Selected classifications

Find patents

Classificação CPC

Utilização do portal para a classificação na CPC

Exemplo 1 - Chuveiro: Usando o termo “*shower*” (chuveiro) e selecionando “Search”, são sugeridas classificações para o assunto. Um maior detalhamento surge ao clicar sobre a classificação escolhida, como por exemplo A47K 3/00.

My Espacenet Help Classification search Results

Classification search

shower Search

Index | A | B | C | D | E | F | G | H | Y

« A42C99/00 A43B »

| Classification symbol | Title and description |
|---------------------------------------|---|
| <input type="checkbox"/> A47K 3/00 | Baths; Douches; Appurtenances therefor (...) [2013-01] |
| <input type="checkbox"/> E03C 1/00 | Domestic plumbing installations for fresh water or waste water; Sinks (...) [2013-01] |
| <input type="checkbox"/> B05B 1/00 | Nozzles, spray heads or other outlets, with or without auxiliary devices such as valves, heating means (...) [2018-08] |
| <input type="checkbox"/> B05B 15/00 | Details of spraying plant or spraying apparatus not otherwise provided for; Accessories [2018-02] |
| <input type="checkbox"/> C23C 16/00 | Chemical coating by decomposition of gaseous compounds, without leaving reaction products of surface material in the coating, i.e. chemical vapour deposition [CVD] processes (...) [2013-01] |
| <input type="checkbox"/> H01L 21/00 | Processes or apparatus adapted for the manufacture or treatment of semiconductor or solid state devices or of parts thereof [2021-01] |
| <input type="checkbox"/> E03C 2201/00 | Details, devices or methods not otherwise provided for [2013-01] |
| <input type="checkbox"/> A47K 7/00 | Body washing or cleaning implements (...) [2013-01] |
| <input type="checkbox"/> C02F 1/00 | Treatment of water, waste water, or sewage (...) [2016-05] |

Classificação CPC

Utilização do portal para a classificação na CPC

My Espacenet Help Classification search Results

Classification search

shower Search Index | A | B | C | D | E | F | G | H | Y

« A47K1/00 A47K4/00 »

| Classification symbol | Title and description |
|--|--|
| ▲ ★★★★★ <input type="checkbox"/> A47K 3/00 | Baths; Douches; Appurtenances therefor (...) [2013-01] |
| <input type="checkbox"/> A47K 3/001 | • {Accessories for baths, not provided for in other subgroups of group A47K 3/00 (...); Insertions, e.g. for babies; Tubs suspended or inserted in baths; Security or alarm devices; Protecting linings or coverings; Devices for cleaning or disinfecting baths; Bath insulation} [2013-01] |
| <input type="checkbox"/> A47K 3/002 | •• {Non-slip mats for baths} [2013-01] |
| <input type="checkbox"/> A47K 3/003 | •• {Grips for baths} [2013-01] |
| <input type="checkbox"/> A47K 3/004 | •• {Trays} [2013-01] |
| <input type="checkbox"/> A47K 3/005 | •• {Tap covers for protection against injury} [2013-01] |
| <input type="checkbox"/> A47K 3/006 | •• {Doors to get in and out of baths more easily} [2013-01] |
| <input type="checkbox"/> A47K 3/007 | •• {Tipping-devices for baths} [2013-01] |
| <input type="checkbox"/> A47K 3/008 | •• {Sealing between wall and bathtub or shower tray} [2013-01] |
| <input type="checkbox"/> A47K 3/02 | • Baths (...) [2013-01] |
| <input type="checkbox"/> A47K 3/022 | •• specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position ({doors to get in and out of baths more easily A47K 3/006}; collapsible baths A47K 3/062) [2016-08] |
| <input type="checkbox"/> A47K 3/024 | ••• specially adapted for use for children or babies [2013-01] |
| <input type="checkbox"/> A47K 3/03 | •• attachable to other baths, sinks, wash-basins, or the like {; mounting frames therefor} (...) [2018-01] |
| <input type="checkbox"/> A47K 3/034 | ••• specially adapted for use for children or babies [2013-01] |
| <input type="checkbox"/> A47K 3/04 | •• Built-in baths {(...)} [2013-01] |
| <input type="checkbox"/> A47K 3/06 | •• Collapsible baths {; e.g. inflatable; Movable baths} [2017-08] |
| <input type="checkbox"/> A47K 3/062 | ••• specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position [2013-01] |
| <input type="checkbox"/> A47K 3/064 | •••• specially adapted for use for children or babies {; Mounting frames therefor} [2017-08] |
| <input type="checkbox"/> A47K 3/07 | ••• attachable to other basins, or the like [2013-01] |
| <input type="checkbox"/> A47K 3/074 | •••• specially adapted for use for children or babies {on dressing-tables for babies} [2013-01] |
| <input type="checkbox"/> A47K 3/08 | •• Cabinet baths (...) [2013-01] |

Observa-se o grande número de subdivisões da classificação na CPC.

Classificação CPC

Utilização do portal para a classificação na CPC

Comparativamente, observa-se a representação da mesma classificação A47K 3/00 na Classificação Internacional de Patentes (IPC).

The screenshot displays the WIPO IP Portal interface for the IPC Classification. The main content area shows the classification A47K 3/00, which is highlighted in pink. The classification is titled "Baths; Showers; Appurtenances therefor (for curative purposes A61H, A61M, e.g. bathing devices for special therapeutic or hygienic purposes A61H 33/00) [2006.01]". Below the title, a list of sub-classifications is shown, each with a minus sign icon and a brief description. The left sidebar contains navigation options, including a search bar, a version selector (2022.01), and various view options (English version, Full view, etc.).

| Scheme | RCL | Compilation | Catchwords | Search |
|--------|-----|------------------|------------|--|
| | | A47K 1/14 | | • Stoppers for wash-basins, baths, sinks, or the like [2006.01] |
| | | A47K 3/00 | | Baths; Showers; Appurtenances therefor (for curative purposes A61H, A61M, e.g. bathing devices for special therapeutic or hygienic purposes A61H 33/00) [2006.01] |
| | | A47K 3/02 | | • Baths (combined with showers A47K 3/20; heatable F24H) [2006.01] |
| | | A47K 3/022 | | •• specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position (collapsible baths A47K 3/062) [2006.01] |
| | | A47K 3/024 | | ••• specially adapted for use for children or babies [2006.01] |
| | | A47K 3/03 | | •• attachable to other baths, sinks, wash-basins, or the like (collapsible baths A47K 3/07) [2006.01] |
| | | A47K 3/034 | | ••• specially adapted for use for children or babies [2006.01] |
| | | A47K 3/04 | | •• Built-in baths [2006.01] |
| | | A47K 3/06 | | •• Collapsible baths [2006.01] |
| | | A47K 3/062 | | ••• specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position [2006.01] |
| | | A47K 3/064 | | •••• specially adapted for use for children or babies [2006.01] |
| | | A47K 3/07 | | ••• attachable to other basins, or the like [2006.01] |
| | | A47K 3/074 | | •••• specially adapted for use for children or babies [2006.01] |
| | | A47K 3/08 | | •• Cabinet baths (shower cabinets A47K 3/30) [2006.01] |
| | | A47K 3/10 | | • Wave-producers or the like [2006.01] |
| | | A47K 3/12 | | • Separate seats or body supports (seats for chairs A47C 7/02) [2006.01] |
| | | A47K 3/14 | | • Replaceable separating walls for baths (sinks with separating walls E03C 1/18) [2006.01] |
| | | A47K 3/16 | | • Devices for fastening baths to floors or walls; Adjustable bath feet [2006.01] |
| | | A47K 3/162 | | •• Collapsible stands or supports for baths [2006.01] |
| | | A47K 3/164 | | ••• for child or baby baths [2006.01] |
| | | A47K 3/17 | | •• Adjustable bath feet [2006.01] |
| | | A47K 3/18 | | • combined with hand basins [2006.01] |

Utilização do portal para a classificação na CPC

My Espacenet Help Classification search Results

Classification search

shower Search Index | A | B | C | D | E | F | G | H | Y |

« A47K1/00 A47K4/00 »

| Classification symbol | Title and description |
|-------------------------------------|---|
| <input type="checkbox"/> A47K 3/00 | Baths; Douches; Appurtenances therefor (...) [2013-01] |
| <input type="checkbox"/> A47K 3/001 | • Accessories for baths, not provided for in other subgroups of group A47K 3/00 (...); Insertions, e.g. for babies; Tubs suspended or inserted in baths; Security or alarm devices; Protecting linings or coverings; Devices for cleaning or disinfecting baths; Bath insulation) [2013-01] |
| <input type="checkbox"/> A47K 3/002 | • Non-slip mats for baths [2013-01] |
| <input type="checkbox"/> A47K 3/003 | • Grips for baths [2013-01] |
| <input type="checkbox"/> A47K 3/004 | • Trays [2013-01] |
| <input type="checkbox"/> A47K 3/005 | • Tap covers for protection against injury [2013-01] |
| <input type="checkbox"/> A47K 3/006 | • Doors to get in and out of baths more easily [2013-01] |
| <input type="checkbox"/> A47K 3/007 | • Tipping-devices for baths [2013-01] |
| <input type="checkbox"/> A47K 3/008 | • Sealing between wall and bathtub or shower tray [2013-01] |
| <input type="checkbox"/> A47K 3/02 | • Baths (...) [2013-01] |
| <input type="checkbox"/> A47K 3/022 | • specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position (doors to get in and out of baths more easily A47K 3/006); collapsible baths A47K 3/062 [2016-08] |
| <input type="checkbox"/> A47K 3/024 | • specially adapted for use for children or babies [2013-01] |
| <input type="checkbox"/> A47K 3/03 | • attachable to other baths, sinks, wash-basins, or the like (mounting frames therefor (...) [2018-01] |
| <input type="checkbox"/> A47K 3/034 | • specially adapted for use for children or babies [2013-01] |
| <input type="checkbox"/> A47K 3/04 | • Built-in baths (...) [2013-01] |
| <input type="checkbox"/> A47K 3/06 | • Collapsible baths (e.g. inflatable; Movable baths) [2017-08] |
| <input type="checkbox"/> A47K 3/062 | • specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position [2013-01] |
| <input type="checkbox"/> A47K 3/064 | • specially adapted for use for children or babies (Mounting frames therefor) [2017-08] |
| <input type="checkbox"/> A47K 3/07 | • attachable to other basins, or the like [2013-01] |
| <input type="checkbox"/> A47K 3/074 | • specially adapted for use for children or babies (for dressing-tables for babies) [2013-01] |
| <input type="checkbox"/> A47K 3/08 | • Cabinet baths (...) [2013-01] |

A47K 3/00 Baths; Showers; Appurtenances therefor (for curative purposes A61H, A61M, e.g. bathing device
A47K 3/02 • Baths (combined with showers A47K 3/20; heatable F24H) [2006.01]
A47K 3/022 • specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position (collap
A47K 3/024 • specially adapted for use for children or babies [2006.01]
A47K 3/03 • attachable to other baths, sinks, wash-basins, or the like (collapsible baths A47K 3/07) [2006.01]
A47K 3/034 • specially adapted for use for children or babies [2006.01]
A47K 3/04 • Built-in baths [2006.01]

Pode-se observar que a **CPC** permite classificar o objeto de busca com maior precisão.

Ressalta-se que na **IPC** não há qualquer subdivisão entre A47K 3/00 e A47K 3/02, ao contrário do que ocorre na CPC.

Classificação CPC

Utilização do portal para a classificação na CPC

Selecionando o botão "CPC", ficam marcados os aspectos nos quais a CPC se diferencia da IPC (em verde e entre chaves { }, estão os detalhes referentes às classificações que pertencem somente à CPC):

My Espacenet Help Classification search Results

Classification search

shower Search Index | A | B | C | D | E | F | G | H | Y

« A47K1/00 A47K4/00 »

| Classification symbol | Title and description |
|--|--|
| ▲ ★★★★★ <input type="checkbox"/> A47K 3/00 | Baths; Douches; Appurtenances therefor (...) [2013-01] |
| <input type="checkbox"/> A47K 3/001 | • [Accessories for baths, not provided for in other subgroups of group A47K 3/00 (...); Insertions, e.g. for babies; Tubs suspended or inserted in baths; Security or alarm devices; Protecting linings or coverings; Devices for cleaning or disinfecting baths; Bath insulation] [2013-01] |
| <input type="checkbox"/> A47K 3/002 | •• [Non-slip mats for baths] [2013-01] |
| <input type="checkbox"/> A47K 3/003 | •• [Grips for baths] [2013-01] |
| <input type="checkbox"/> A47K 3/004 | •• [Trays] [2013-01] |
| <input type="checkbox"/> A47K 3/005 | •• [Tap covers for protection against injury] [2013-01] |
| <input type="checkbox"/> A47K 3/006 | •• [Doors to get in and out of baths more easily] [2013-01] |
| <input type="checkbox"/> A47K 3/007 | •• [Tipping-devices for baths] [2013-01] |
| <input type="checkbox"/> A47K 3/008 | •• [Sealing between wall and bathtub or shower tray] [2013-01] |
| <input type="checkbox"/> A47K 3/02 | • Baths (...) [2013-01] |
| <input type="checkbox"/> A47K 3/022 | •• specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position ([doors to get in and out of baths more easily A47K 3/006]; collapsible baths A47K 3/062) [2016-08] |
| <input type="checkbox"/> A47K 3/024 | ••• specially adapted for use for children or babies [2013-01] |
| <input type="checkbox"/> A47K 3/03 | ••• attachable to other baths, sinks, wash-basins, or the like (: mounting frames therefor) (...) [2018-01] |
| <input type="checkbox"/> A47K 3/034 | ••• specially adapted for use for children or babies [2013-01] |
| <input type="checkbox"/> A47K 3/04 | •• Built-in baths [(...)] [2013-01] |
| <input type="checkbox"/> A47K 3/06 | •• Collapsible baths {, e.g. inflatable; Movable baths} [2017-08] |
| <input type="checkbox"/> A47K 3/062 | ••• specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position [2013-01] |
| <input type="checkbox"/> A47K 3/064 | •••• specially adapted for use for children or babies (: Mounting frames therefor) [2017-08] |
| <input type="checkbox"/> A47K 3/07 | •••• attachable to other basins, or the like [2013-01] |
| <input type="checkbox"/> A47K 3/074 | •••• specially adapted for use for children or babies [on dressing-tables for babies] [2013-01] |
| <input type="checkbox"/> A47K 3/08 | •• Cabinet baths (...) [2013-01] |

Classificação CPC

Utilização do portal para a classificação na CPC

Exemplo 2 – berço:

Determinação da classificação de um berço (qualquer modelo):



Classificação CPC

Utilização do portal para a classificação na CPC

Exemplo 2 – berço: Usando somente o termo “*cradle*” (berço), as classificações sugeridas não são apropriadas, pois o termo tem vários significados em inglês.

The screenshot shows the Espacenet Classification search interface. At the top, there are navigation tabs: "My Espacenet", "Help", "Classification search", and "Results". The "Classification search" tab is active. Below the tabs, the search term "cradle" is entered in a search box, and a "Search" button is visible. To the right of the search box, there is an "Index" section with letters A through Y. Below the search box, there are navigation icons (back, forward, home, etc.) and a "CPC" filter. The search results are displayed in a table with the following columns: "Classification symbol", "Title and description", and "Year". The results are sorted by relevance, with the most relevant results at the top. The classification symbols are highlighted in red, and the descriptions are truncated with "...".

| Classification symbol | Title and description | Year |
|-----------------------|--|------|
| H02J 7/00 | Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries [2013-01] | |
| H04M 1/00 | Substation equipment, e.g. for use by subscribers (...) [2021-01] | |
| G06F 1/00 | Details not covered by groups G06F 3/00 - G06F 13/00 and G06F 21/00 (...) [2022-01] | |
| A61M 5/00 | Devices for bringing media into the body in a subcutaneous, intra-vascular or intramuscular way; Accessories therefor, e.g. filling or cleaning devices, arm-rests (...) [2013-01] | |
| A61B 5/00 | Measuring for diagnostic purposes (...); Identification of persons [2021-01] | |
| A61B 2560/00 | Constructional details of operational features of apparatus; Accessories for medical measuring apparatus [2013-01] | |
| B65H 2701/00 | Handled material; Storage means [2016-05] | |
| A61B 1/00 | Instruments for performing medical examinations of the interior of cavities or tubes of the body by visual or photographic inspection, e.g. endoscopes (...); Illuminating arrangements therefor (...) [2022-02] | |
| A61C 9/00 | Impression cups, [i.e. impression trays]; Impression methods [...] [2013-01] | |
| A63B 21/00 | Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices (...) [2018-08] | |

Classificação CPC

Utilização do portal para a classificação na CPC

Exemplo 2 – berço: Pode-se utilizar mais de um termo: com a combinação “*baby cradle*” (berço para bebê), obtém-se resultados pertinentes, como a classificação **A47D 9/00**.

The screenshot shows the 'Classification search' interface. The search bar contains 'baby cradle' and the search button is labeled 'Search'. The results are displayed in a table with columns for 'Classification symbol' and 'Title and description'. The entry 'A47D 9/00' is highlighted with a red box, and its description 'Cradles ; Bassinets' is highlighted in green. The table also shows other classifications like B62B 9/00, B62B 7/00, A47D 15/00, A47D 7/00, B62B 2206/00, G08B 21/00, A47D 13/00, B62B 2205/00, and B60N 2/00.

| Classification symbol | Title and description |
|---|--|
| ▲ ★★★★★ <input type="checkbox"/> B62B 9/00 | Accessories or details specially adapted for children's carriages or perambulators (...) [2013-01] |
| ▲ ★★★★★ <input type="checkbox"/> B62B 7/00 | Carriages for children; Perambulators, e.g. dolls' perambulators [2013-01] |
| ▲ ★★★★★ <input type="checkbox"/> A47D 9/00 | Cradles ; Bassinets [2022-08] |
| ▲ ★★★★★★ <input type="checkbox"/> A47D 15/00 | Accessories for children's furniture, e.g. safety belts (...) [2013-01] |
| ▲ ★★★★★★ <input type="checkbox"/> A47D 7/00 | Children's beds (...) [2013-01] |
| ▲ ★★★★★★ <input type="checkbox"/> B62B 2206/00 | Adjustable or convertible hand-propelled vehicles or sledges [2013-01] |
| ▲ ★★★★★★ <input type="checkbox"/> G08B 21/00 | Alarms responsive to a single specified undesired or abnormal condition and not otherwise provided for [2022-01] |
| ▲ ★★★★★★ <input type="checkbox"/> A47D 13/00 | Other nursery furniture (...) [2013-01] |
| ▲ ★★★★★★ <input type="checkbox"/> B62B 2205/00 | Hand-propelled vehicles or sledges being foldable or dismantable when not in use [2013-01] |
| ▲ ★★★★★★ <input type="checkbox"/> B60N 2/00 | Seats specially adapted for vehicles; Arrangement or mounting of seats in vehicles (...) [2019-01] |

Classificação CPC

Utilização do portal para a classificação na CPC

Clicando na classificação **A47D 9/00**, são apresentadas classificações mais detalhadas. Cumpre ressaltar que a classificação **A47D 9/005**, marcada em verde, faz parte da CPC, mas não da IPC.

My Espacenet Help Classification search Results

Classification search

baby cradle Search Index | A | B | C | D | E | F | G | H | Y

« A47D7/00 A47D11/00 »

| Classification symbol | Title and description |
|-----------------------|---|
| ▲ ★★☆☆ | <input type="checkbox"/> B62B 9/00 Accessories or details specially adapted for children's carriages or perambulators (...) [2013-01] |
| ▲ ★★☆☆ | <input type="checkbox"/> B62B 7/00 Carriages for children; Perambulators, e.g. dolls' perambulators [2013-01] |
| ▲ ★★☆☆ | <input type="checkbox"/> A47D 9/00 Cradles {; Bassinets} [2022-08] |
| | <input type="checkbox"/> A47D 9/005 • {foldable} [2022-08] |
| | <input type="checkbox"/> A47D 9/008 • {dismountable} [2022-08] |
| | <input type="checkbox"/> A47D 9/012 • {with adjustable parts} [2022-08] |
| | <input type="checkbox"/> A47D 9/016 • {capable of being suspended from, or attached to, other articles or structures, e.g. adult's bed} [2022-08] |
| | <input type="checkbox"/> A47D 9/02 • with rocking mechanisms (...) [2022-08] |
| | <input type="checkbox"/> A47D 9/04 •• with disconnectable rockers [2022-08] |
| | <input type="checkbox"/> A47D 9/053 •• {with curved rocking member} [2022-08] |
| | <input type="checkbox"/> A47D 9/057 •• {driven by electric motors} [2022-08] |

Como o modelo de berço não foi especificado, a classificação A47D 9/00 poderá ser atribuída, genericamente. Para uma classificação precisa, mais detalhes do berço deverão ser apresentados.

Utilização do portal para a classificação na CPC

Recuperação de documentos de patente numa determinada classificação, no esquema da CPC

Exemplo 3 - berço dobrável: Demonstração de como localizar patentes na classificação de berços dobráveis, como este abaixo, usando o portal do esquema da CPC.



Classificação CPC

Utilização do portal para a classificação na CPC

Exemplo 3 - berço dobrável: A classificação de berço dobrável na CPC foi apresentada no exemplo anterior: **A47D 9/005**.

The screenshot shows the My Espacenet portal interface. At the top, there are navigation tabs: My Espacenet, Help, Classification search, Results, and Feedback. Below the navigation, the 'Classification search' section is active. A search box contains the text 'baby cradle' and a 'Search' button. To the right of the search box, there is an 'Index' section with letters A through Y. Below the search box, there are navigation icons and a 'CPC' tab. The search results are displayed in a table with columns for 'Classification symbol' and 'Title and description'. The classification A47D 9/005 is highlighted with a red box. To the right of the search results, there is a 'Selected classifications' section with a 'Find patents' button.

| Classification symbol | Title and description |
|--|---|
| ▲ ★★★★★ <input type="checkbox"/> B62B 9/00 | Accessories or details specially adapted for children's carriages or perambulators (...) [2013-01] |
| ▲ ★★★★★ <input type="checkbox"/> B62B 7/00 | Carriages for children; Perambulators, e.g. dolls' perambulators [2013-01] |
| ▲ ★★★★★ <input type="checkbox"/> A47D 9/00 | Cradles {; Bassinets} [2022-08] |
| <input type="checkbox"/> A47D 9/005 | • {foldable} [2022-08] |
| <input type="checkbox"/> A47D 9/008 | • {dismountable} [2022-08] |
| <input type="checkbox"/> A47D 9/012 | • {with adjustable parts} [2022-08] |
| <input type="checkbox"/> A47D 9/016 | • {capable of being suspended from, or attached to, other articles or structures, e.g. adult's bed} [2022-08] |
| <input type="checkbox"/> A47D 9/02 | • with rocking mechanisms (...) [2022-08] |
| <input type="checkbox"/> A47D 9/04 | •• with disconnectable rockers [2022-08] |
| <input type="checkbox"/> A47D 9/053 | •• {with curved rocking member} [2022-08] |
| <input type="checkbox"/> A47D 9/057 | •• {driven by electric motors} [2022-08] |

Esta classificação poderia ser encontrada como anteriormente, com os termos "baby cradle", ou com "foldable cradle", por exemplo.

Classificação CPC

Utilização do portal para a classificação na CPC

Os documentos de patente na classificação **A47D 9/005**, referente a berços dobráveis, podem ser recuperados através do “*Find patents*” da Espacenet:

The screenshot shows the Espacenet CPC classification interface. The main table lists classification symbols and their descriptions. A red box highlights the selection of **A47D 9/005**. On the right, a sidebar shows the selected classification **A47D9/00/low** in a text input field, with a 'Find patents' button below it. A text box explains that the input is automatic.

| Classification symbol | Title and description |
|--|--|
| <input type="checkbox"/> A | HUMAN NECESSITIES |
| | PERSONAL OR DOMESTIC ARTICLES |
| <input type="checkbox"/> A47 | FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL |
| <input type="checkbox"/> A47D | FURNITURE SPECIALLY ADAPTED FOR CHILDREN (school benches or desks A47B 39/00 , A47B 41/00) |
| <input type="checkbox"/> A47D 1/00 | Children's chairs (chairs generally A47C) |
| <input type="checkbox"/> A47D 3/00 | Children's tables ((school forms A47B 39/00 ; school desks or tables A47B 41/00)) |
| <input type="checkbox"/> A47D 5/00 | Dressing-tables {or diaper changing supports} for children (chests of drawers A47B 67/00) |
| <input type="checkbox"/> A47D 7/00 | Children's beds (beds in general A47C) |
| <input checked="" type="checkbox"/> A47D 9/00 | {Small beds for newborns or infants, e.g. bassinets or} cradles |
| <input checked="" type="checkbox"/> A47D 9/005 | • {foldable} |
| <input checked="" type="checkbox"/> A47D 9/02 | • with rocking mechanisms (devices for moving perambulators to and from B62B 9/22) |
| <input checked="" type="checkbox"/> A47D 9/04 | •• with disconnectable rockers |
| <input type="checkbox"/> A47D 11/00 | Children's furniture convertible into other kinds of furniture, e.g. children's chairs or benches convertible into beds; {Constructional play-furniture} (convertible furniture in general A47B 85/00) |
| <input type="checkbox"/> A47D 13/00 | Other nursery furniture (auxiliary or portable toilet seats for children A47K 13/06) |
| <input type="checkbox"/> A47D 15/00 | Accessories for children's furniture, e.g. safety belts (holders for {baby bottles or} bottles for medicinal feeding A61J 9/06 ; safety belts or body harnesses, in general A62B 35/00 ; {infant exercisers attachable to play-pens, beds or cradles A63H 33/006 }; safety belts or body harnesses in land vehicles B60R 22/00 ; harnessing in aircraft B64D 25/06) |

Selected classifications: A47D9/00/low

Clear

Find patents

O preenchimento do campo é automático, ao se selecionar os símbolos.

Classificação CPC

Utilização do portal para a classificação na CPC

Passo a passo:

- Selecionar o símbolo;
- Observar que o símbolo aparecerá no campo “Selected classifications”
- Clicar em “Find patents”

The screenshot displays the CPC classification portal interface. At the top, there is a search bar with the text "Enter a keyword or a classification symbol" and a "Search" button. Below the search bar, there are navigation icons and a breadcrumb trail showing "CPC" and "2000". The main content area is a table with columns for "Classification symbol" and "Title and description". The table lists various classification symbols and their corresponding titles and descriptions. The symbol "A47D 9/00" is selected, and its sub-symbols "A47D 9/005", "A47D 9/02", and "A47D 9/04" are also selected. To the right of the table, there is a "Selected classifications" panel that shows the selected symbol "A47D9/00/low". Below this panel, there is a "Clear" button and a "Find patents" button. Red arrows point from the text in the list to the corresponding elements in the screenshot: from "Selecionar o símbolo" to the table, from "Observar que o símbolo aparecerá no campo 'Selected classifications'" to the "Selected classifications" panel, and from "Clicar em 'Find patents'" to the "Find patents" button.

| Classification symbol | Title and description |
|--|--|
| <input type="checkbox"/> A | HUMAN NECESSITIES |
| <input type="checkbox"/> A47 | FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL |
| <input type="checkbox"/> A47D | FURNITURE SPECIALLY ADAPTED FOR CHILDREN (school benches or desks A47B 39/00 , A47B 41/00) |
| <input type="checkbox"/> A47D 1/00 | Children's chairs (chairs generally A47C) |
| <input type="checkbox"/> A47D 3/00 | Children's tables ((school forms A47B 39/00 ; school desks or tables A47B 41/00)) |
| <input type="checkbox"/> A47D 5/00 | Dressing-tables (or diaper changing supports) for children (chests of drawers A47B 67/00) |
| <input type="checkbox"/> A47D 7/00 | Children's beds (beds in general A47C) |
| <input checked="" type="checkbox"/> A47D 9/00 | {Small beds for newborns or infants, e.g. bassinets or} cradles |
| <input checked="" type="checkbox"/> A47D 9/005 | • {foldable} |
| <input checked="" type="checkbox"/> A47D 9/02 | • with rocking mechanisms (devices for moving perambulators to and from B62B 9/22) |
| <input checked="" type="checkbox"/> A47D 9/04 | •• with disconnectable rockers |
| <input type="checkbox"/> A47D 11/00 | Children's furniture convertible into other kinds of furniture, e.g. children's chairs or benches convertible into beds; (Constructional play-furniture) (convertible furniture in general A47B 85/00) |
| <input type="checkbox"/> A47D 13/00 | Other nursery furniture (auxiliary or portable toilet seats for children A47K 13/06) |
| <input type="checkbox"/> A47D 15/00 | Accessories for children's furniture, e.g. safety belts (holders for {baby bottles or} bottles for medicinal feeding A61J 9/06 ; safety belts or body harnesses, in general A62B 35/00 ; {infant exercisers attachable to play-pens, beds or cradles A63H 33/006 }; safety belts or body harnesses in land vehicles B60R 22/00 ; harnessing in aircraft B64D 25/06) |

Classificação CPC

Utilização do portal para a classificação na CPC

The image shows a screenshot of the CPC classification portal interface. On the left, there is a search bar and a list of classification symbols. The selected classification is A47D 9/005, which is highlighted in yellow. A red box highlights the 'Selected classifications' panel, which shows the selected classification A47D9/005/low and a 'Find patents' button. A red arrow points from this panel to the right, where a larger view of the 'Selected classifications' panel is shown, displaying the selected classification A47D9/005/low and a 'Find patents' button.

| Classification symbol | Title and description |
|--|---|
| <input type="checkbox"/> A | HUMAN NECESSITIES |
| <input type="checkbox"/> A47 | FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL |
| <input type="checkbox"/> A47D | FURNITURE SPECIALLY ADAPTED FOR CHILDREN (school benches or desks A47B 39/00 , A47B 41/00) |
| <input type="checkbox"/> A47D 9/00 | {Small beds for newborns or infants, e.g. bassinets or} cradles |
| <input checked="" type="checkbox"/> A47D 9/005 | • {foldable} |

O termo “/low” significa que os documentos de patente em classificações hierarquicamente subordinadas também serão recuperados.

No caso da classificação A47D 9/005, não há outras classificações subordinadas a esta, portanto qualquer uma das opções retornará os mesmos documentos.

Classificação CPC

Utilização do portal para a classificação na CPC

The screenshot shows the Espacenet Patent Search interface. The search bar contains the query "cpc=A47D9/005/low". The results page shows 748 results found. The search results are displayed in a list view, sorted by relevance. The first three results are:

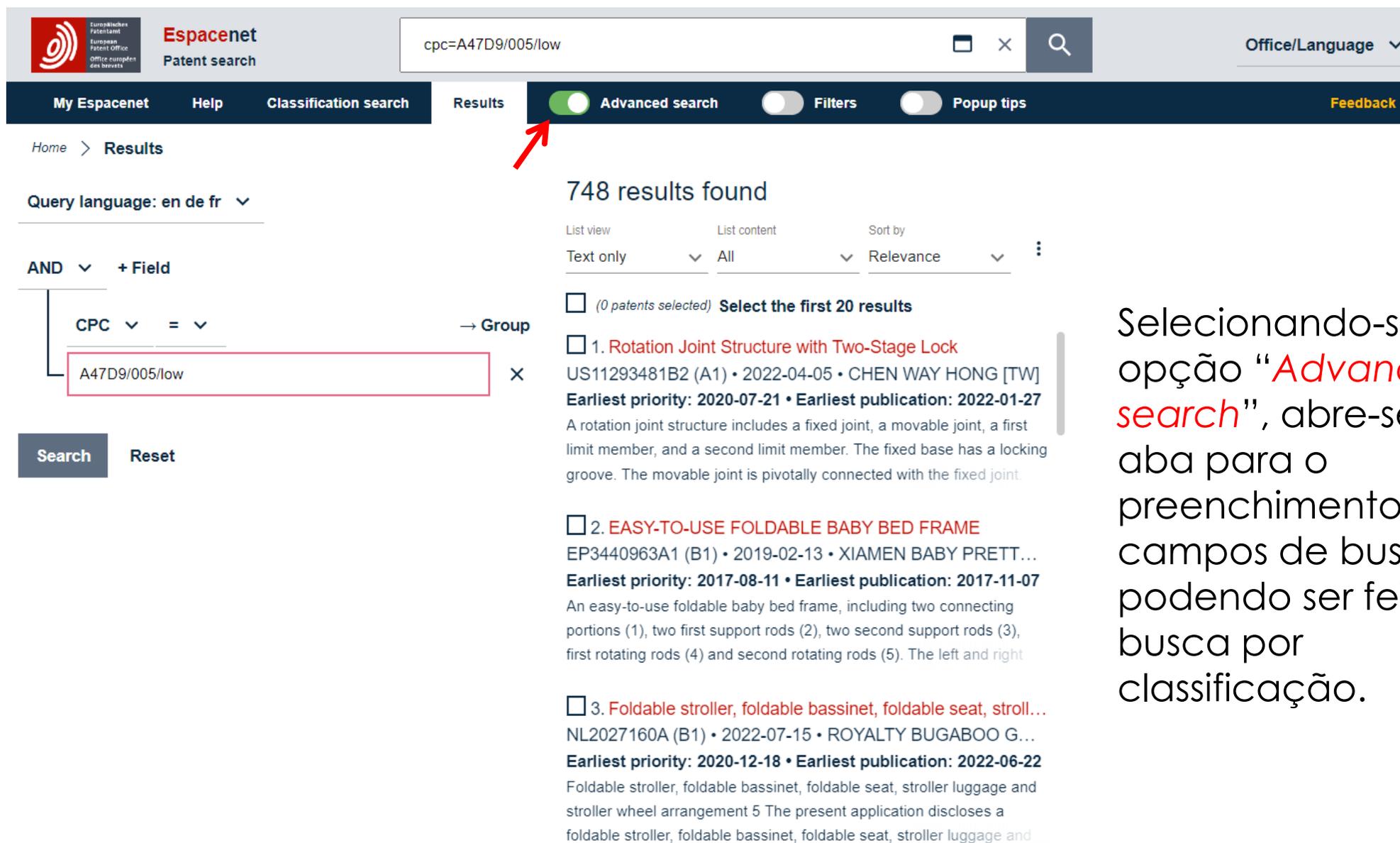
- 1. **Rotation Joint Structure with Two-Stage Lock**
US11293481B2 (A1) • 2022-04-05 • CHEN WAY HONG [TW]
Earliest priority: 2020-07-21 • Earliest publication: 2022-01-27
A rotation joint structure includes a fixed joint, a movable joint, a first limit member, and a second limit member. The fixed base has a locking groove. The movable joint is pivotally connected with the fixed joint.
- 2. **EASY-TO-USE FOLDABLE BABY BED FRAME**
EP3440963A1 (B1) • 2019-02-13 • XIAMEN BABY PRETT...
Earliest priority: 2017-08-11 • Earliest publication: 2017-11-07
An easy-to-use foldable baby bed frame, including two connecting portions (1), two first support rods (2), two second support rods (3), first rotating rods (4) and second rotating rods (5). The left and right
- 3. **Foldable stroller, foldable bassinet, foldable seat, stroll...**
NL2027160A (B1) • 2022-07-15 • ROYALTY BUGABOO G...
Earliest priority: 2020-12-18 • Earliest publication: 2022-06-22
Foldable stroller, foldable bassinet, foldable seat, stroller luggage and stroller wheel arrangement 5 The present application discloses a foldable stroller, foldable bassinet, foldable seat, stroller luggage and

Clicando em “*Find patents*”, foram obtidos 748 resultados, com classificação CPC igual a **A47D 9/005**.

Como a classificação é específica para berços dobráveis, os documentos recuperados são relacionados a este tipo de berço ou a acessórios para o mesmo.

Classificação CPC

Utilização do portal para a classificação na CPC



The screenshot displays the Espacenet patent search interface. At the top, the search query is "cpc=A47D9/005/low". The "Advanced search" toggle is highlighted with a red arrow. The search results show 748 results found. The first three results are:

- (0 patents selected) **Select the first 20 results**
- 1. Rotation Joint Structure with Two-Stage Lock**
US11293481B2 (A1) • 2022-04-05 • CHEN WAY HONG [TW]
Earliest priority: 2020-07-21 • Earliest publication: 2022-01-27
A rotation joint structure includes a fixed joint, a movable joint, a first limit member, and a second limit member. The fixed base has a locking groove. The movable joint is pivotally connected with the fixed joint.
- 2. EASY-TO-USE FOLDABLE BABY BED FRAME**
EP3440963A1 (B1) • 2019-02-13 • XIAMEN BABY PRETT...
Earliest priority: 2017-08-11 • Earliest publication: 2017-11-07
An easy-to-use foldable baby bed frame, including two connecting portions (1), two first support rods (2), two second support rods (3), first rotating rods (4) and second rotating rods (5). The left and right
- 3. Foldable stroller, foldable bassinet, foldable seat, stroll...**
NL2027160A (B1) • 2022-07-15 • ROYALTY BUGABOO G...
Earliest priority: 2020-12-18 • Earliest publication: 2022-06-22
Foldable stroller, foldable bassinet, foldable seat, stroller luggage and stroller wheel arrangement 5 The present application discloses a foldable stroller, foldable bassinet, foldable seat, stroller luggage and

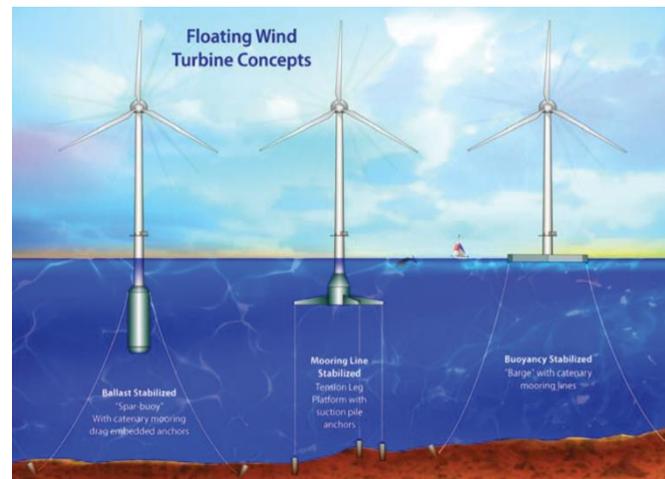
Selecionando-se a opção “*Advanced search*”, abre-se a aba para o preenchimento dos campos de busca, podendo ser feita a busca por classificação.

Classificação CPC

Utilização do portal para a classificação na CPC

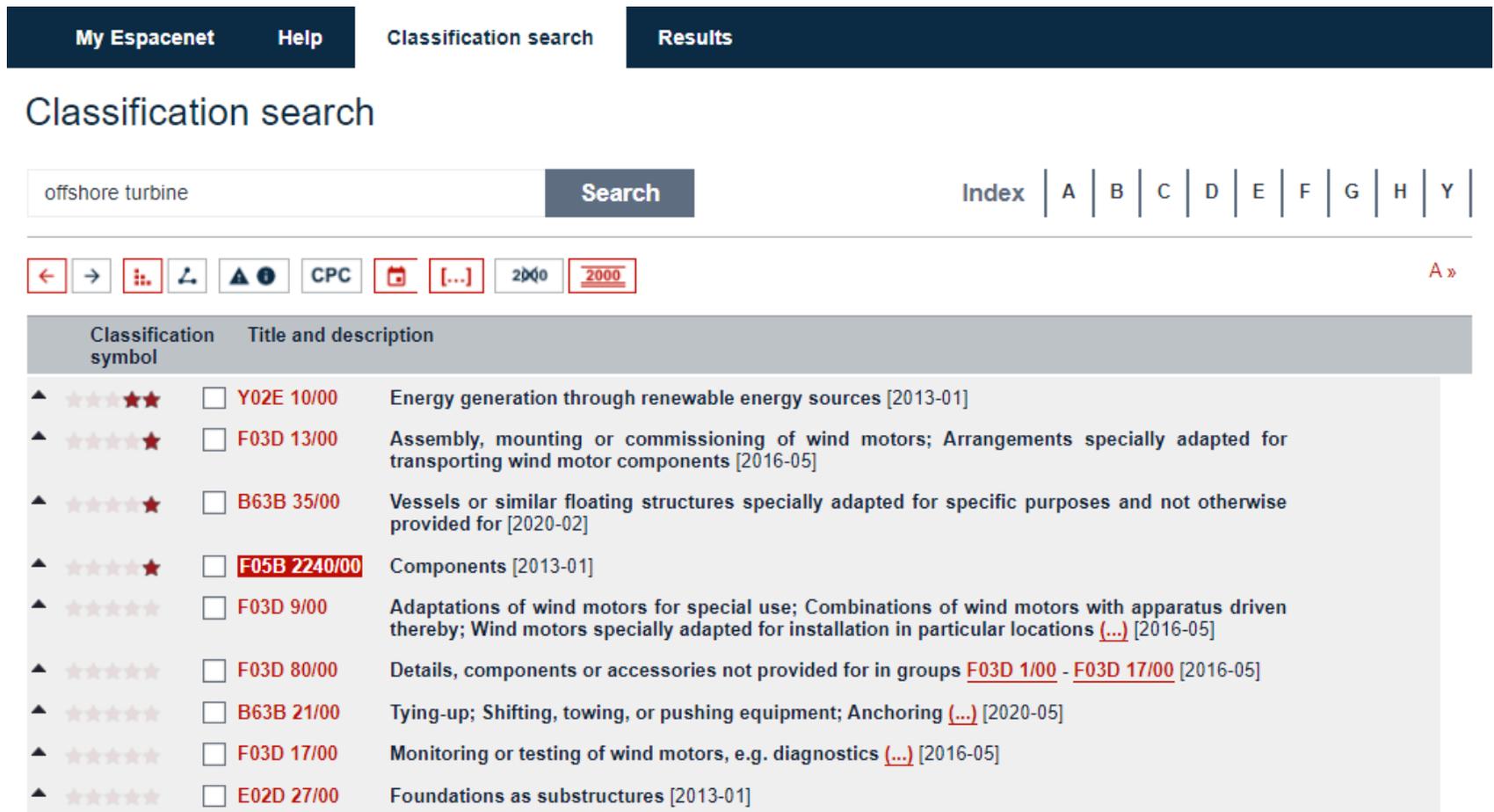
Exemplo 4 – gerador eólico:

Determinação da
classificação Y, da
CPC, para um
“gerador eólico
adaptado em uma
plataforma offshore”
(qualquer estrutura)



Utilização do portal para a classificação na CPC

Exemplo 4 – gerador eólico: Usando a expressão “*offshore turbine*”, são propostas as seguintes classificações:



The screenshot displays the CPC Classification Search portal interface. At the top, there are navigation tabs: "My Espacenet", "Help", "Classification search", and "Results". The "Classification search" tab is active. Below the tabs, the search term "offshore turbine" is entered in a search box, and the "Search" button is visible. To the right of the search box, there is an "Index" section with letters A through Y, and the letter "A" is highlighted. Below the search box, there are several icons for navigation and filtering, including a left arrow, a right arrow, a list icon, a refresh icon, a CPC icon, a calendar icon, a filter icon, a magnifying glass icon, and a "2000" icon. The search results are displayed in a table with two columns: "Classification symbol" and "Title and description". The table contains 10 rows of results, each with a star rating, a checkbox, and a classification symbol followed by a title and description. The classification symbol "F05B 2240/00" is highlighted in red.

| Classification symbol | Title and description |
|--|---|
| ▲ ★★★★★ <input type="checkbox"/> Y02E 10/00 | Energy generation through renewable energy sources [2013-01] |
| ▲ ★★★★★ <input type="checkbox"/> F03D 13/00 | Assembly, mounting or commissioning of wind motors; Arrangements specially adapted for transporting wind motor components [2016-05] |
| ▲ ★★★★★ <input type="checkbox"/> B63B 35/00 | Vessels or similar floating structures specially adapted for specific purposes and not otherwise provided for [2020-02] |
| ▲ ★★★★★ <input type="checkbox"/> F05B 2240/00 | Components [2013-01] |
| ▲ ★★★★★ <input type="checkbox"/> F03D 9/00 | Adaptations of wind motors for special use; Combinations of wind motors with apparatus driven thereby; Wind motors specially adapted for installation in particular locations (...) [2016-05] |
| ▲ ★★★★★ <input type="checkbox"/> F03D 80/00 | Details, components or accessories not provided for in groups F03D 1/00 - F03D 17/00 [2016-05] |
| ▲ ★★★★★ <input type="checkbox"/> B63B 21/00 | Tying-up; Shifting, towing, or pushing equipment; Anchoring (...) [2020-05] |
| ▲ ★★★★★ <input type="checkbox"/> F03D 17/00 | Monitoring or testing of wind motors, e.g. diagnostics (...) [2016-05] |
| ▲ ★★★★★ <input type="checkbox"/> E02D 27/00 | Foundations as substructures [2013-01] |

Todas as classificações propostas têm relação com turbinas eólicas.

Classificação CPC

Utilização do portal para a classificação na CPC

Após a leitura detalhada das subclassificações subordinadas a Y02E 10/00 da CPC, seleciona-se a classificação **Y02E 10/727** como a mais apropriada para o objeto buscado:

The screenshot shows the 'Classification search' page of the Espacenet portal. The search term 'offshore turbine' is entered in the search bar, and the 'Search' button is visible. The navigation menu includes 'My Espacenet', 'Help', 'Classification search', and 'Results'. The 'Classification search' section displays a list of classification symbols and their descriptions. The symbol 'Y02E 10/727' is highlighted with a red box, indicating it is the selected classification. The interface also includes a navigation bar with letters A through Y, and a search bar with the text 'offshore turbine'. Below the search bar, there are several icons for navigation and search, including a search icon, a magnifying glass, and a '2000' icon. The main content area shows a list of classification symbols and their descriptions, with 'Y02E 10/727' highlighted in red. The list includes symbols from Y to Y02E 10/76, with descriptions such as 'GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS...', 'TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE...', and 'Energy generation through renewable energy sources...'. The selected symbol 'Y02E 10/727' is described as 'Offshore wind turbines [2020-08]'. The interface also includes a navigation bar with letters A through Y, and a search bar with the text 'offshore turbine'. Below the search bar, there are several icons for navigation and search, including a search icon, a magnifying glass, and a '2000' icon. The main content area shows a list of classification symbols and their descriptions, with 'Y02E 10/727' highlighted in red. The list includes symbols from Y to Y02E 10/76, with descriptions such as 'GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS...', 'TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE...', and 'Energy generation through renewable energy sources...'. The selected symbol 'Y02E 10/727' is described as 'Offshore wind turbines [2020-08]'. The interface also includes a navigation bar with letters A through Y, and a search bar with the text 'offshore turbine'. Below the search bar, there are several icons for navigation and search, including a search icon, a magnifying glass, and a '2000' icon.

My Espacenet Help Classification search Results

Classification search

offshore turbine Search Index | A | B | C | D | E | F | G | H | Y

« Y02E Y02E20/00 »

| Classification symbol | Title and description | | |
|--------------------------------------|---|---|---|
| <input type="checkbox"/> Y | GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS [2013-01] | S | i |
| <input type="checkbox"/> Y02 | TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE [2018-01] | | i |
| <input type="checkbox"/> Y02E | REDUCTION OF GREENHOUSE GAS [GHG] EMISSIONS, RELATED TO ENERGY GENERATION, TRANSMISSION OR DISTRIBUTION [2018-05] | S | |
| <input type="checkbox"/> Y02E 10/00 | Energy generation through renewable energy sources [2013-01] | | |
| <input type="checkbox"/> Y02E 10/70 | • Wind energy [2013-01] | | |
| <input type="checkbox"/> Y02E 10/72 | •• Wind turbines with rotation axis in wind direction [2013-01] | | |
| <input type="checkbox"/> Y02E 10/727 | •• Offshore wind turbines [2020-08] | | |
| <input type="checkbox"/> Y02E 10/728 | •• Onshore wind turbines [2020-08] | | |
| <input type="checkbox"/> Y02E 10/74 | •• Wind turbines with rotation axis perpendicular to the wind direction [2013-01] | | |
| <input type="checkbox"/> Y02E 10/76 | •• Power conversion electric or electronic aspects [2013-01] | | |

Classificação CPC

Utilização do portal para a classificação na CPC

O documento ao lado refere-se a um gerador eólico em plataforma.

Observa-se (no detalhe abaixo) que a classificação selecionada está presente, acompanhando outras classificações que se referem às características específicas do gerador eólico descrito.

- international: [F03D11/04](#); [F03D9/00](#)

- cooperative: [B63B1/048](#) (EP, US); [B63B21/50](#) (EP, US); [B63B35/44](#) (EP, US); [B63B39/005](#) (EP, US); [B63B39/06](#) (EP, US); [B63B5/18](#) (EP, US); [B63B5/22](#) (EP, US); [E02D27/425](#) (US); [F03D1/06](#) (US); [F03D13/10](#) (EP, US); [F03D13/22](#) (EP, US); [F03D13/25](#) (EP, US); [F03D9/25](#) (EP, US); [B63B2001/044](#) (EP, US); [B63B2021/505](#) (EP, US); [B63B2035/442](#) (EP, US); [B63B2035/446](#) (EP, US); [B63B2039/067](#) (EP, US); [F03D80/70](#) (US); [F05B2240/93](#) (EP, US); [F05B2240/95](#) (EP, US); [Y02E10/72](#) (EP, US); [Y02E10/727](#) (EP, US)

Bibliographic data: [WO2014141911 \(A1\)](#) — 2014-09-18

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FLOATING OFFSHORE WIND POWER GENERATION FACILITY

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Inventor(s): SATO IKU [JP]; ASANO HITOSHI [JP]; UTSUNOMIYA TOMOAKI [JP]; YOSHIDA SHIGEO [JP] ±

Applicant(s): TODA CORP [JP]; UNIV KYOTO [JP]; HITACHI LTD [JP] ±

Classification: - international: [F03D11/04](#); [F03D9/00](#)

- cooperative: [B63B1/048](#) (EP, US); [B63B21/50](#) (EP, US); [B63B35/44](#) (EP, US); [B63B39/005](#) (EP, US); [B63B39/06](#) (EP, US); [B63B5/18](#) (EP, US); [B63B5/22](#) (EP, US); [E02D27/425](#) (US); [F03D1/06](#) (US); [F03D13/10](#) (EP, US); [F03D13/22](#) (EP, US); [F03D13/25](#) (EP, US); [F03D9/25](#) (EP, US); [B63B2001/044](#) (EP, US); [B63B2021/505](#) (EP, US); [B63B2035/442](#) (EP, US); [B63B2035/446](#) (EP, US); [B63B2039/067](#) (EP, US); [F03D80/70](#) (US); [F05B2240/93](#) (EP, US); [F05B2240/95](#) (EP, US); [Y02E10/72](#) (EP, US); [Y02E10/727](#) (EP, US)

Application number: [WO/2014/JP55228](#) 20140303 [Global Dossier](#)

Priority number(s): [JP20130050180](#) 20130313

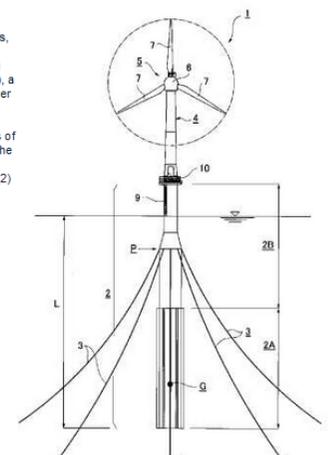
Also published as: [AU2014232004 \(A1\)](#); [AU2014232004 \(B2\)](#); [CA2902302 \(A1\)](#); [EP2985453 \(A1\)](#); [EP2985453 \(A4\)](#); [more](#)

Abstract of [WO2014141911 \(A1\)](#)

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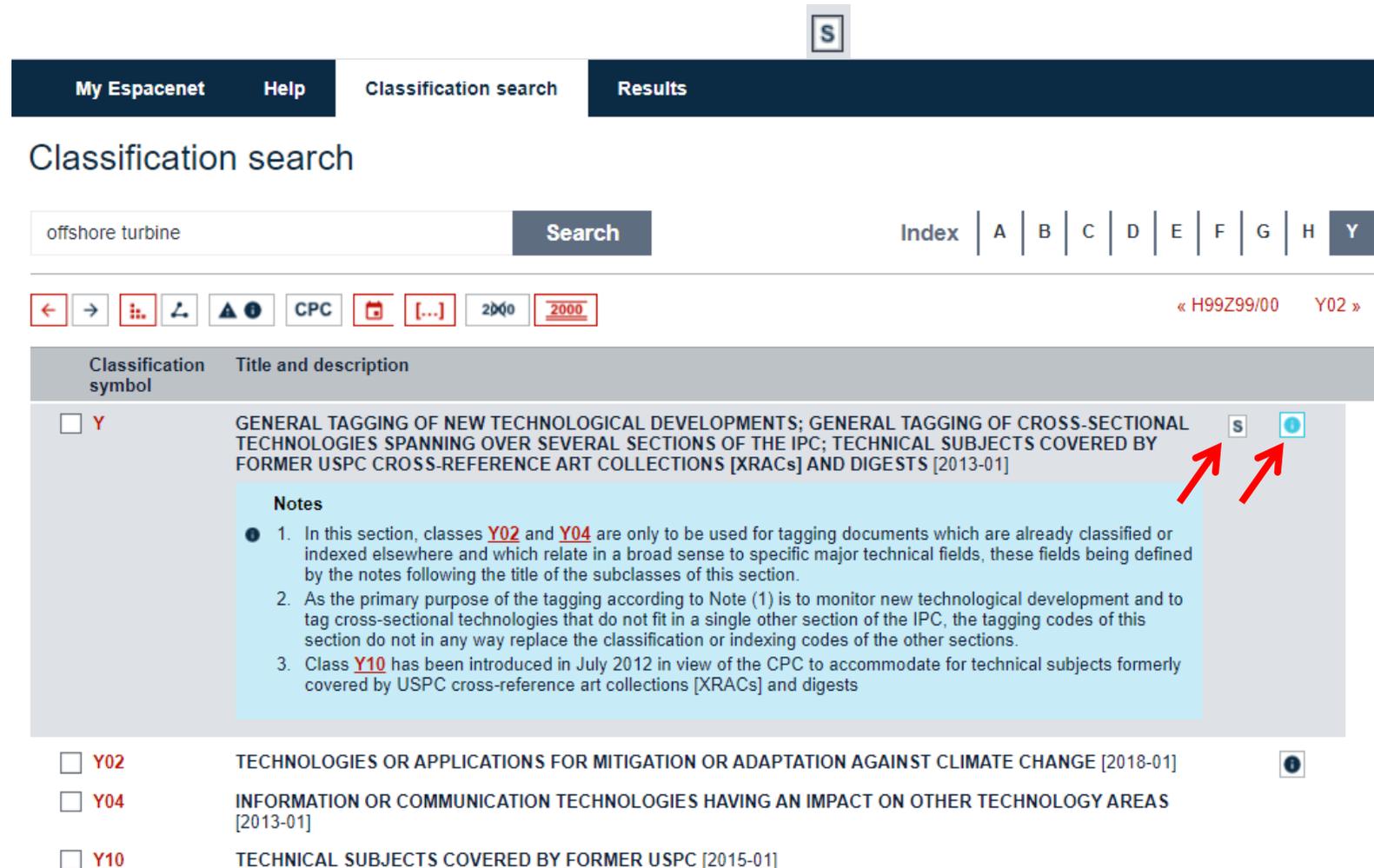
[Problem] To make it possible to, in a spar type floating offshore wind power generation facility, suppress a reduction in power generation efficiency due to tilting of a tower, suppress rotational motion (yaw motion) around a vertical axis, prevent a ship from coming into contact with a mooring cable, and at the same time appropriately hold the tilted posture state of the tower. [Solution] A floating offshore wind power generation facility is configured from a floating body (2), a mooring cable (3), a tower (4), and a windmill (5) installed at the top of the tower (4) and composed of a nacelle (6) and a plurality of blades (7), wherein the rotation axis of the windmill (5) has a predetermined upward angle in order to avoid contact between the blades (7) and the tower (4), and the windmill (5) is of a downwind type in which the blades (7) are attached to the leeward side of the nacelle (6) and installed on the back surfaces of the blades (7) facing windward, and the mooring point of the mooring cable (3) to the floating body (2) is set at a position below the surface of the sea and higher than the center of gravity of the floating body (2).



Considerações Finais

Descrição detalhada das classificações da CPC

Para detalhes da classificação, clicar na classificação desejada (Y, no exemplo abaixo). Para mais informações, clicar em **S** (que abre um arquivo em pdf) ou em 



The screenshot shows the Espacenet Classification search interface. At the top, there are navigation tabs: "My Espacenet", "Help", "Classification search", and "Results". Below the tabs, the search term "offshore turbine" is entered in a search box, and the "Search" button is visible. To the right of the search box, there is an "Index" section with letters A through Y, where "Y" is highlighted. Below the search box, there are navigation icons (back, forward, home, etc.) and a "CPC" filter. The main content area displays a list of classifications. The first classification is "Y", which is selected. Its title and description are: "GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS [2013-01]". To the right of this title, there are two icons: a square with the letter "S" and a blue circle with an information icon. Two red arrows point to these icons. Below the title, there is a "Notes" section with three numbered items. The first item states that classes Y02 and Y04 are for tagging documents already classified or indexed elsewhere. The second item states that the primary purpose of the tagging is to monitor new technological development and to tag cross-sectional technologies that do not fit in a single other section of the IPC. The third item states that Class Y10 has been introduced in July 2012 to accommodate for technical subjects formerly covered by USPC cross-reference art collections [XRACs] and digests. Below the notes, there are three more classifications: Y02 (Technologies or applications for mitigation or adaptation against climate change [2018-01]), Y04 (Information or communication technologies having an impact on other technology areas [2013-01]), and Y10 (Technical subjects covered by former USPC [2015-01]).

| Classification symbol | Title and description |
|------------------------------|---|
| <input type="checkbox"/> Y | GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS [2013-01] |
| <input type="checkbox"/> Y02 | TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE [2018-01] |
| <input type="checkbox"/> Y04 | INFORMATION OR COMMUNICATION TECHNOLOGIES HAVING AN IMPACT ON OTHER TECHNOLOGY AREAS [2013-01] |
| <input type="checkbox"/> Y10 | TECHNICAL SUBJECTS COVERED BY FORMER USPC [2015-01] |

Considerações Finais

Buscas de patentes usando a CPC podem render bons resultados, devido à classificação mais específica. Por exemplo, a busca em documentos dos EUA e da EPO é mais eficiente usando a CPC, do que a IPC, por terem sua documentação completa classificada pela CPC.

Porém, como somente parte dos documentos nas bases internacionais (como a base *Espacenet*) está classificada pela CPC, para levantamentos e buscas completas devem ser usadas tanto a CPC como a IPC.

Tecnologias emergentes são identificadas na CPC pelas classificações Y, que são complementares e sempre acompanham as classificações das outras seções, referentes à área específica da invenção.

Considerações Finais

A CPC pode ser consultada na Internet:

- somente em inglês - via site do Escritório Europeu de Patentes

[Espacenet - Classification search](#)

*Material elaborado pela Coordenação Geral de Estudos Projetos e
Difusão de Informação Tecnológica – CEPIT*

Dúvidas referentes à classificação pela CPC podem ser encaminhadas a
classifica@inpi.gov.br



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