

SIMPLIFIED GUIDE FOR SEARCHES IN FREE PATENT DATABASES

Module 3: Espacenet – International Search in the European Patent Office

*Researchers from the Division of Studies and Projects –
DIESP/Directorate of Patents, Software, and Topography of
Integrated Circuits – DIRPA/National Institute of Industrial
Property – INPI*

Rio de Janeiro, July 27, 2018

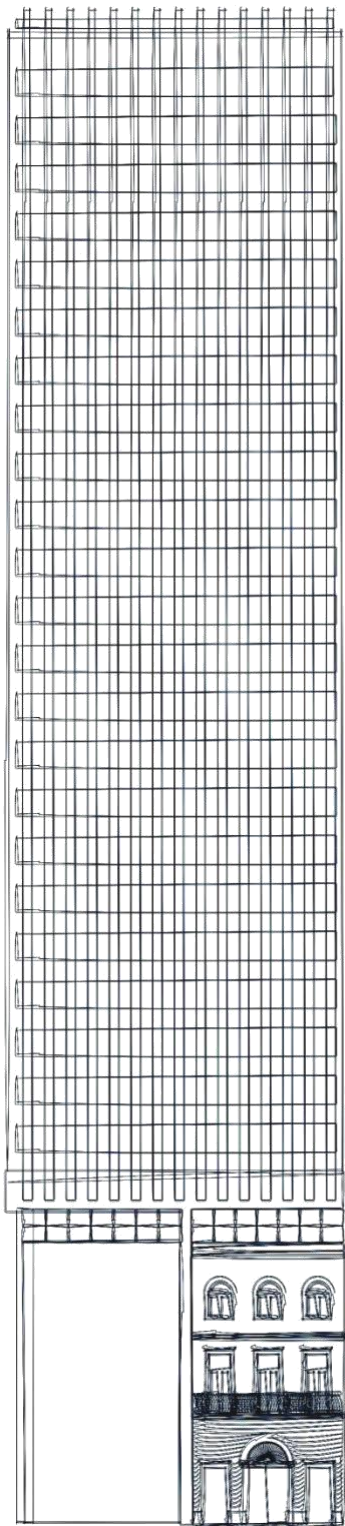


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Module 3: Espacenet – International Search in the European Patent Office

Espacenet is the database of the European Patent Office (EPO), with documents from over 90 countries and is available at worldwide.espacenet.com.

To access the option of a more complete search, select “Advanced search” in the link below.

Logo: Europäisches Patentamt / European Patent Office / Office européen des brevets

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worldwide.espacenet.com

Initially select the *Worldwide* database to access documents from over 90 countries.

The search must be conducted with keywords in English.

Operators “AND” and “OR”, as well as the truncation operators (*, ?, #), are the same ones as the Latipat database.

Use up to 10 words per field.

Advanced search

Select the collection you want to search in

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title:

Title or abstract:

Enter numbers with or without country code

Publication number:

Application number:

Priority number:

Enter one or more dates or date ranges

Publication date:

Enter name of one or more persons/organisations

Applicant(s):

Inventor(s):

Enter one or more classification symbols

CPC

IPC

Continuing the search for “motorized wheelchair”, we used parenthesis to separate combinations and synonyms of the keywords, in English:

Keyword(s) in title: **i** plastic and bicycle

Keyword(s) in title or abstract: **i** hair

→ (wheelchair? or (chair* and wheel?)) and motor*

Publication number: **i** WO2008014520

Application number: **i** DE19971031696

Priority number: **i** WO1995US15925

Publication date: **i** yyymmdd

Applicant(s): **i** Institut Pasteur

Inventor(s): **i** Smith

European Classification (ECLA): **i** F03G7/10

International Patent Classification (IPC): **i** H03M1/12

Click “search”



Clear

Search

The result is a list of documents with English titles.

Only the first 500 results are shown.

One way to obtain all documents is to divide the search into periods of time, specifying, for example, the years in which these applications were published.

Result list

Select all (0/25) Compact Export (CSV | XLS) Download covers

Print

Approximately 3,728 results found in the Worldwide database for:
(wheelchair? or (chair* and wheel?)) and motor* in the title or abstract
Only the first 500 results are displayed.

1 ▶

Results are sorted by date of upload in database

1. OBSTACLE TRAVERSING WHEEL CHAIR

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
GOERTZEN GEROLD [US] NULL WILLIAM A [US]	IINVACARE CORP [US]	A61G2005/1078 A61G2005/1089 A61G2005/128 (+10)	A61G5/04 A61G5/06 B62B5/02 (+2)	US2014138170 (A1) 2014-05-22	2000-10-27

2. MOTORIZED LIFTING DEVICE FOR WHEEL CHAIR

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
JUN YOO MAN [KR]	DASUNG TECHNOLOGY CO LTD [KR]		A61G3/02 B66F7/06	KR101372262 (B1) 2014-03-10	2012-10-26

3. mobile centre of testing technical state of wheel transport vehicles

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
DEMYD MARIA MYKOLAIVNA [UA]	DEMYD MARIA MYKOLAIVNA [UA]		B60R11/00 B60R99/00	UA41603 (U) 2009-05-25	2009-01-30

4. AUTOMATIC RETRACTABLE LOADING/UNLOADING RAMP

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
CRUZ RAMOS MARCO POLO [MX] GORDILLO MOSCOSO JOSÉ LUIS [MX] (+2)	INST TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTEREY [MX]		A61G3/06 B60P1/43 B65G69/28	WO2014069976 (A1) 2014-05-08	2012-11-01

5. GENERATOR OF DIRECTIONAL THRUST FOR MOVING VEHICLES AND/OR OBJECTS IN GENERAL USING CENTRIFUGAL FORCE

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
OSWALDO STOPPA JUNIOR [BR] STOPPA OSWALDO [BR] (+3)	OSWALDO STOPPA JUNIOR [BR] STOPPA OSWALDO [BR] (+3)		F03G3/00 F03G3/02	WO2014066960 (A1) 2014-05-08	2012-11-05

6. Device enabling an electric wheel chair to cross obstacles

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
OHRUH MICHEL	NEW LIVE	A61G2005/1078 A61G2005/1089 A61G5/046 (+2)	A61G5/04 B62D55/075 B62D61/10	NZ601620 (A) 2014-02-28	2010-02-05

7. POWER WHEEL CHAIR WITH GUARD FOR PLAYING SPORTS

The search can also be more precise by using the classification (field “IPC”) combined with the keywords in the title or the abstract.

Since this classification is suitable for motorized wheel chairs and cars, “motor*” was not included in the search.

Title or abstract: hair

Enter numbers with or without country code

Publication number:

Application number:

Priority number:

Enter one or more dates or date ranges

Publication date:

Enter name of one or more persons/organisations

Applicant(s):

Inventor(s):

Enter one or more classification symbols

CPC

IPC A61G5/04 (no spaces between characters)

Click “Search”

Approximately 3,897 results found in the Worldwide database for:
wheelchair? or (**chair*** and **wheel?**) in the title or abstract AND **A61G5/04** as the IPC classification
 Only the first 500 results are displayed.

Results are sorted by date of upload in database

1. **ANTI-TIP SYSTEM FOR A POWER WHEEL CHAIR**

★	Inventor: MULHERN JAMES P [US] LEVI RONALD [US] (+1)	Applicant: PRIDE MOBILITY PRODUCTS CORP [US]	CPC: A61G2005/1078 A61G2005/1089 A61G5/042 (+6)	IPC: A61G5/04 A61G5/06 B60R21/00 (+1)	Publication info: US2015173985 (A1) 2015-06-25	Priority date: 2003-10-08
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2. **Foldable electric wheel chair**

★	Inventor: GAO ZI GUI [US]	Applicant: GAO ZI GUI [US] KD HEALTH CARE CO USA INC [US]	CPC: A61G2005/0833 A61G2005/085 A61G2005/0866 (+4)	IPC: A61G5/04 A61G5/08 B60K1/04 (+1)	Publication info: US9060909 (B1) 2015-06-23	Priority date: 2014-08-05
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3. **POWER ADD-ON DEVICE FOR MANUAL WHEEL CHAIR**

★	Inventor: TALLINO PATRICK [US]	Applicant: TALLINO PATRICK [US]	CPC: A61G2005/1054 A61G2203/14 A61G5/04 (+3)	IPC: A61G5/04	Publication info: US2015164718 (A1) 2015-06-18	Priority date: 2009-05-27
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4. **SELF OPERABLE WHEEL CHAIR**

★	Inventor: LEE TUN-CHI [TW]	Applicant: MEDICRAFT HOLDINGS TAIWAN CO LTD [TW]	CPC: A61G2005/125 A61G2005/127 A61G5/041 (+4)	IPC: A61G5/04 A61G5/10 A61G5/12 (+1)	Publication info: US2015164717 (A1) 2015-06-18	Priority date: 2013-12-12
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5. **WHEEL CHAIR WITH CHANGEABLE BASE**

★	Inventor: WIAK SLAWOMIR JAN [PL] PYCH TOMASZ ALEKSANDER [PL]	Applicant: FEDERAL NOE G BJUDZHETNOE OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA NOVGO [RU]	CPC:	IPC: A61G5/04 A61G5/06	Publication info: RU2542557 (C1) 2015-02-20	Priority date: 2013-10-22
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6. **WHEEL CHAIR SEAT ASSEMBLY**

★	Inventor: LOEWENTHAL HOWARD [US] MOHAN TRAIAN [US]	Applicant: INVACARE CORP [US]	CPC: A61G2005/085 A61G2005/0866 A61G2005/0883 (+15)	IPC: A61G5/04 A61G5/08 A61G5/10	Publication info: US2015157518 (A1) 2015-06-11	Priority date: 2010-03-16
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The list of results is very extensive, because there are a lot of inventions related to motorized wheelchairs.

By detailing the subject of the search, the results are more specific.

For example, the search can be conducted for a motorized wheelchair with a massager to avoid bedsores in the user.

Therefore, we included the term “massag*” for “massage”, “massaging”, etc.

Click “Search”

Title or abstract: hair

wheelchair? or (chair* and wheel?) and massag*

Enter numbers with or without country code

Publication number: WO2008014520

Application number: DE19971031696

Priority number: WO1995US15925

Enter one or more dates or date ranges

Publication date: yyyyymmdd

Enter name of one or more persons/organisations

Applicant(s): Institut Pasteur

Inventor(s): Smith

Enter one or more classification symbols

CPC

IP A61G5/04 H03M1/12

A61G5/04



Clear

Search

During the analysis of the list of results, you can access the documents of interest one by one by clicking the title.

To analyze the results, you can access the documents of interest one by one by clicking the title.



Result list

Select all (0/18)  Compact  Export (CSV | XLS)  Download covers  Print

18 results found in the Worldwide database for:
wheelchair? or (chair* and wheel?) and massag* in the title or abstract AND A61G5/04 as the IPC classification

Sort by Sort order

1. [Electric rehabilitation wheel chair with standing and sitting assisting function](#)

★ Inventor: ZHANG LIXUN QIN TAO (+1)	Applicant: UNIV HARBIN ENG	CPC: IPC: A61G5/14 A61H1/02 (+1)	Publication info: CN204170008 (U) 2015-02-25	Priority date: 2014-09-26
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2. [Medical wheel chair](#)

★ Inventor: LEI ZHEN	Applicant: SHAANXI YIFU BEAUTY THERAPY TECHNOLOGY CO LTD	CPC: IPC: A61G5/10 A61H23/02	Publication info: CN104337630 (A) 2015-02-11	Priority date: 2013-08-09
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3. [Massage wheel chair](#)

★ Inventor: WANG YUN	Applicant: WANG YUN	CPC: IPC: A61G5/00 A61G5/04 A61G5/10 (+2)	Publication info: CN204106380 (U) 2015-01-21	Priority date: 2014-10-11
-------------------------	------------------------	--	--	------------------------------

4. [Electrical rehabilitation wheel chair with sit-up function](#)

★ Inventor: ZHANG LIXUN QIN TAO (+1)	Applicant: UNIV HARBIN ENG	CPC: IPC: A61G5/14 A61H1/02 (+1)	Publication info: CN104224463 (A) 2014-12-24	Priority date: 2014-09-26
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5. [Multi-functional wheel chair](#)

★ Inventor: HE GANG	Applicant: HE GANG	CPC: IPC: A61G5/04 A61H1/00	Publication info: CN203598136 (U) 2014-05-21	Priority date: 2013-12-04
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Therefore, we obtain the bibliographic data and the abstract of the document selected.

To see the full document, click “Original document”.



The image shows a patent database interface. On the left is a sidebar with a menu for patent CN204106380 (U). The 'Original document' option is highlighted with a red box, and a red arrow points to it from above. Below the sidebar is a 'Quick help' section with several links. The main content area displays the following information:

Bibliographic data: CN204106380 (U) — 2015-01-21

★ In my patents list ↗ EP Register 🗑️ Report data error 🖨️ Print

Message wheelchair

Page bookmark [CN204106380 \(U\) - Massage wheelchair](#)

Inventor(s): WANG YUN ±

Applicant(s): WANG YUN ±

Classification: - international: **A61G5/00; A61G5/04; A61G5/10; A61H1/00; A61H15/00**
- cooperative:

Application number: CN20142586951U 20141011

Priority number(s): CN20142586951U 20141011

Abstract of CN204106380 (U)

Translate this text into  powered by EPO and Google

The utility model discloses a massage wheelchair, which comprises a wheelchair body device, a motor drive unit, a motor control device, an infusion support device and a nursing massage device, wherein the wheelchair body device comprises a seat, a footboard, a nursing personnel stopping board and push handles; the motor drive unit comprises a battery, a motor, a motor gear, a transmission chain, an axle shaft gear and a drive wheel; the motor control device comprises a controller and a control handle; the infusion support device comprises supporting tubes, springs, fixture blocks and hooks; the nursing massage device comprises a fixed gear, a traveling gear, a massage ball, a center rod and a massage motor. The massage wheelchair is simple to control; the wheelchair is driven to move by the motor, and massage nursing on the back can be finished as long as a patient sits in the wheelchair; nursing personnel can stand on the nursing personnel stopping board and move together along with the wheelchair.

To read the document page to page, click the arrows below.

To save, click "Download".

These procedures have been analyzed in Part 2.

The document is in Chinese.
It is possible to obtain a machine translation.

CN204106380 (U)

Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Quick help

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Original document: CN204106380 (U) — 2015-01-21

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Massage wheelchair

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(19) 中华人民共和国国家知识产权局

(12) 实用新型专利

(10) 授权公告号 CN 204106380 U
(45) 授权公告日 2015.01.21

(21) 申请号 201420586951.7
(22) 申请日 2014.10.11
(73) 专利权人 王芸
地址 250200 山东省济南市章丘市明水镇汇泉路 308 号章丘市人民医院
(72) 发明人 王芸
(51) Int. Cl.
A61G 5/04 (2013.01)
A61G 5/00 (2006.01)
A61G 5/10 (2006.01)
A61H 1/00 (2006.01)
A61H 15/00 (2006.01)

权利要求书1页 说明书3页 附图2页

(54) 实用新型名称
一种按摩轮椅

(57) 摘要
本实用新型公开了一种按摩轮椅,包括轮椅本体装置、电机驱动装置、控制装置、输液架装置、护理按摩装置。所述轮椅本体装置包括座椅、踏板、陪护人站板、推动手柄。所述电机驱动装置包括电池、电机、电机齿轮、传动链条、驱动轮齿轮、驱动轮;所述电机控制装置包括控制器、控制手柄;所述输液架装置包括支撑管、弹簧、卡块、挂钩;护理按摩装置包括固定齿轮、移动齿轮、按摩球、中心杆、按摩电机。本实用新型装置操作简单,通过电机驱动轮椅移动,病人坐在轮椅上即可完



Click
"Description" →

CN204106380 (U)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents

Original document: CN204106380 (U) — 2015-01-21

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Message wheelchair

Page 1/7 Abstract Bibliography Maximise

If the description (specification) is available, it will be shown in the screen in the original language.

Then, click "patent translate"

CN204106380 (U)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Description: CN204106380 (U) — 2015-01-21

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Message wheelchair

Description of CN204106380 (U)

Translate this text into ⓘ

English

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The EPO does not accept any responsibility for the accuracy of data and information original, in particular, the EPO does not guarantee that they are complete, up-to-date or fit for specific purposes.

[0001] 技术领域

[0002] 本实用新型涉及一种护理装置，具体说是一种按摩轮椅。

Quick help

- [What is meant by high quality text as facsimile?](#)
- [What happens if I click on "In my](#)

The translation into English (by a machine, with limitations) is shown in a new window.

Notice

This translation is machine-generated. It cannot be guaranteed that it is intelligible, accurate, complete, reliable or fit for specific purposes. Critical decisions, such as commercially relevant or financial decisions, should not be based on machine-translation output.

DESCRIPTION CN204106380

[0001]

Technical Field

[0002]

The utility model relates to a care unit, in particular to a massage chair.

[0003]

Background technique

[0004]

Most currently available wheelchair wheels driven by human pushing the wheelchair forward, the patient's physical exertion, the patient long-term against the wheelchair back, easily lead to a blood clot and sore back, no infusion device in a wheelchair, when the patient needs transfusion exist inconvenience.

SUMMARY: Comparative table for the free patent databases for search

Free patent databases	Scope	Keyword language	Number of terms per field	Logical operators	Truncation operators
INPI	Only documents filed in Brazil	Portuguese	Indefinite (time for response increases with the number of terms used)	“AND” “OR” “AND NOT”	*
LATIPAT	Documents filed in Latin America countries and Spain (20 countries)	Portuguese and Spanish	Up to 4	“AND” “OR” “NOT”	* ? #
ESPACENET	More than 90 countries	Preferentially English	Up to 10	“AND” “OR” “NOT”	* ? #

Final Considerations and Tips

- The databases described have similar search fields, as well as truncation characters (*) and logical operators (AND OR).
- The logical operator “AND” must be used to combine characteristics, and “OR”, for synonyms.
- The operators “AND NOT” and “NOT”, included in the table above, must be used with extreme caution and, therefore, are not introduced in this basic guide.
- In the databases in which only * is a truncation character, you must observe the real need and the best way to use it.

Final Considerations and Tips

• Truncation using * must be used in a smart way, as it can yield undesired results. Example: in a search in the telecommunications field, the expression “tele*” will yield documents related to television.

For example, if the objective is to recover terms related to mosquitoes and *mosquiteiros* (mosquito nets), with different suffixes, in a search in Portuguese in Latipat, some options would be:

- a) *mosquito, mosquitos, mosquiteiro* → use *mosquit**;
- b) for plural or singular → use ? at the end: *mosquito?* (*mosquito* or *mosquitos*) ;
- c) for masculine or feminine → use # at the end: *mosquiteir#* (*mosquiteiro* or *mosquiteira*)

Final Considerations and Tips

- The complete list of codes of the countries can be found in www.wipo.int/standards/en/pdf/03-03-01.pdf. Examples:

BR –
Brazil CN
– China
US – United States
JP – Japan
KR – South
Korea CA –
Canada
IN – India DE
– Germany
RU – Russia

Some codes represent organizations, such as EP, which represents the European Patent Office.

NOTE: The searches in the examples were conducted in June 2015. Searches conducted on later dates will yield documents unpublished at the time, therefore, the list of results will be different.



www.inpi.gov.br

Questions shall be sent to “Faleconosco”

<http://faleconosco.inpi.gov.br/faleconosco/>