

Topic 5-13

EFFECTIVE UTILIZATION OF THE PATENT CLASSIFICATION SYSTEMS

Country Presentation from Vietnam

Mr. Nguyen Xuan Vinh
IP Information Center
National Office Of Intellectual Property Of Vietnam (NOIP)

Japan, December 11 and 12, 2013

Main Contents

- **1. General information of NOIP**
- **2. NOIP's Patent examiners classify patents**
- **3. Patent search database**
- **4. Challenges regarding patent classification**

1. General information of NOIP

- **Post and responsibility:**

- *NOIP is an agency under the Ministry of Science and Technology (MOST), assuming the functions of exercising the state management and ensuring service providing activities in the field of Intellectual property.*
- *NOIP established in 29 Jul. 1982 and has its headquarter in capital Hanoi and have two branch offices in Da nang and Ho Chi Minh city.*

- **Outline of Organization:**

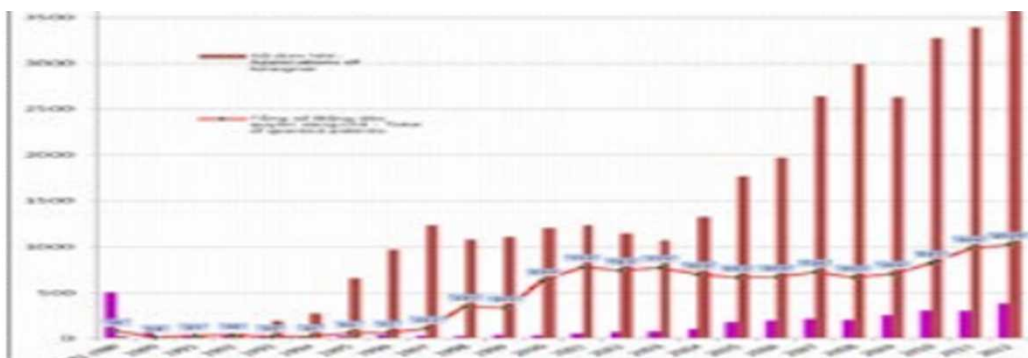
- *Name: National Office of Intellectual Property*
- *Name of the representative: Mr. Ta Quang Minh*
- *Address: 386 Nguyen Trai street, Hanoi, Vietnam*
- *E-mail: qhqt@noip.vnn.vn*
- *Homepage: <http://www.noip.gov.vn>*
- *Number of staffs: ~ 300 persons (65 patent examiners)*
- *Supervisory ministry: Ministry of Science and Technology (MOST)*



**ĐƠN ĐĂNG KÝ SÁNG CHẾ
ĐÃ ĐƯỢC NỘP TỪ 1981 ĐẾN 2012**
PATENT APPLICATIONS FILED FROM 1981 TO 2012

Năm Year	Số đơn đăng ký sáng chế đã được nộp Filed patent applications		
	Người nộp đơn Việt Nam (VN) by the Vietnamese	Người nộp đơn nước ngoài (NN) by the foreigner	Tổng số Total
1981-1988	453	7	460
1989	53	18	71
1990	62	17	79
1991	39	25	64
1992	34	49	83
1993	33	194	227
1994	22	270	292
1995	23	659	682
1996	37	971	1008
1997	30	1234	1264
1998	25	1080	1105
1999	35	1107	1142
2000	34	1205	1239
2001	52	1234	1286
2002	69	1142	1211
2003	78	1072	1150
2004	103	1328	1431
2005	180	1767	1947
2006	196	1970	2166
2007	219	2641	2860
2008	204	2995	3199
2009	258	2632	2890
2010	306	3276	3582
2011	301	3387	3688
2012	382	3577	3959
Tổng số Total	3228	33857	37085

* Thời điểm để lấy số liệu thống kê tính đến 31/12/2012
Statistics is calculated up to 31 December 2012



Biểu đồ số lượng đơn đăng ký và bằng độc quyền sáng chế được cấp từ năm 1981 - 2012
Patent applications and patents granted for invention from 1981 to 2012

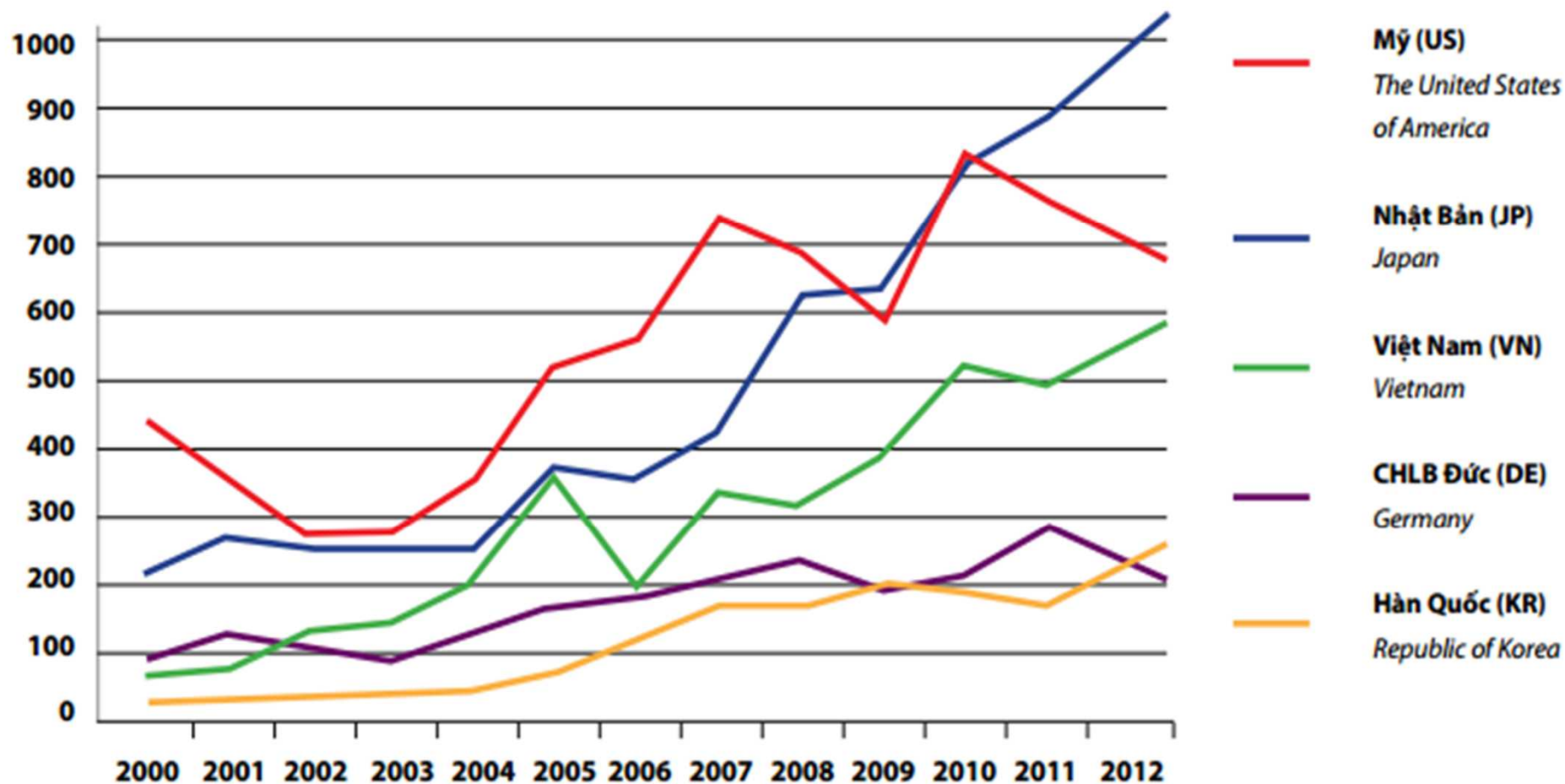
Năm Year	Số bằng độc quyền sáng chế đã được cấp <i>Granted patents</i>		
	Người nộp đơn Việt Nam (VN) <i>by the Vietnamese (VN)</i>	Người nộp đơn nước ngoài (NN) <i>by the foreigner (NN)</i>	Tổng số <i>Total</i>
1981 - 1989	74	7	81
1990	11	3	14
1991	14	13	27
1992	19	16	35
1993	3	13	16
1994	5	14	19
1995	3	53	56
1996	4	58	62
1997	0	111	111
1998	5	343	348
1999	13	322	335
2000	10	620	630
2001	7	776	783
2002	9	734	743
2003	17	757	774
2004	22	676	698
2005	27	641	668
2006	44	625	669
2007	34	691	725
2008	39	627	666
2009	29	677	706
2010	29	793	822
2011	40	945	985
2012	45	980	1025

Năm Year	Số đơn đăng ký giải pháp hữu ích đã được nộp Filed utility solution applications		
	Người nộp đơn Việt Nam (VN) by the Vietnamese	Người nộp đơn nước ngoài (NN) by the foreigner	Tổng số Total
1989	25		25
1990	39	25	64
1991	52	01	53
1992	32	01	33
1993	38	20	58
1994	34	24	58
1995	26	39	65
1996	41	38	79
1997	24	42	66
1998	15	13	28
1999	28	14	42
2000	35	58	93
2001	35	47	82
2002	67	64	131
2003	76	51	127
2004	103	62	165
2005	182	66	248
2006	160	76	236
2007	120	100	220
2008	116	168	284
2009	133	120	253
2010	215	84	299
2011	193	114	307
2012	198	100	298
Tổng số Total	1987	1327	3314

Năm Year	Số bằng độc quyền giải pháp hữu ích đã được cấp <i>Granted utility solution patents</i>		
	Người nộp đơn Việt Nam (VN) <i>by the Vietnamese</i>	Người nộp đơn nước ngoài (NN) <i>by the foreigner</i>	Tổng số <i>Total</i>
1990	23		23
1991	44	1	45
1992	23	1	24
1993	9	1	10
1994	18	9	27
1995	8	16	24
1996	5	6	11
1997	8	12	20
1998	3	14	17
1999	6	12	18
2000	10	13	23
2001	17	9	26
2002	21	26	47
2003	28	27	55
2004	44	25	69
2005	41	33	74
2006	45	25	70
2007	49	36	85
2008	48	27	75
2009	45	19	64
2010	35	23	58
2011	46	23	69
2012	59	28	87
Tổng số Total	635	386	1021

Biểu đồ về sự gia tăng đơn đăng ký sáng chế và giải pháp hữu ích của một số nước có đơn nộp nhiều nhất trong giai đoạn 2000-2012

The increase in invention and utility solution applications of top countries during 2000-2012




2. NOIP's Patent examiners classify patents

- Most of patent applications filed are PCT applications (~ 90%), so we use the IPC has classified in the PCT applications


(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 February 2012 (02.02.2012)



PCT



(10) International Publication Number
WO 2012/016219 A1

(51) International Patent Classification:
A47G 19/02 (2006.01) B65D 41/16 (2006.01)
A47G 19/26 (2006.01)

(21) International Application Number:
PCT/US2011/046025

(22) International Filing Date:
29 July 2011 (29.07.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/369,479 30 July 2010 (30.07.2010) US
13/193,478 28 July 2011 (28.07.2011) US

(71) Applicant (for all designated States except US): **SNAP-WARE CORPORATION** [US/US]; 3900 Hamner Avenue, Mira Loma, CA 91752 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SMYERS, Justin** [US/US]; 3900 Hamner Avenue, Mira Loma, CA 91752 (US).

(74) Agent: **ROBERTS, Larry, K.**; Law Offices Of Larry K. Roberts, Inc., P.O. Box 8569, Newport Beach, CA 92658 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: AIR-TIGHT CERAMIC OR GLASS VESSELS AND LID SYSTEMS

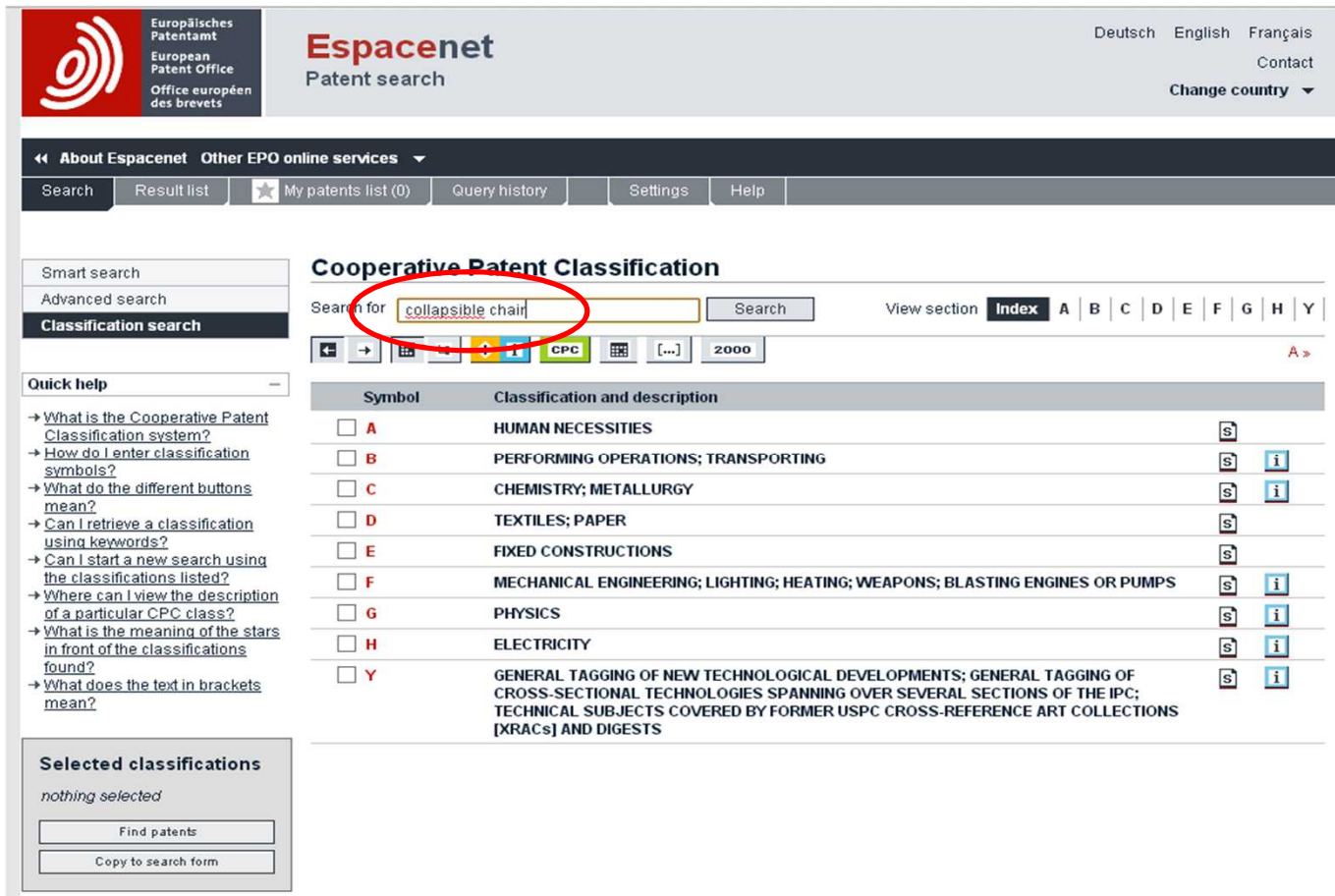


(57) Abstract: An exemplary embodiment of a vessel-lid combination includes a ceramic or glass vessel having an open top surrounded by a peripheral edge, a lid (80) fabricated of

2. NOIP's Patent examiners classify patents

- About Vietnamese's patent applications:

For example: if we have to classify the patent application about the “collapsible chair”, we use Classification search on the EPACENET



Europäisches Patentamt
European Patent Office
Office européen des brevets

Espacenet
Patent search

Deutsch English Français
Contact
Change country ▾

← About Espacenet Other EPO online services ▾

Search Result list My patents list (0) Query history Settings Help

Smart search
Advanced search
Classification search

Quick help

- [What is the Cooperative Patent Classification system?](#)
- [How do I enter classification symbols?](#)
- [What do the different buttons mean?](#)
- [Can I retrieve a classification using keywords?](#)
- [Can I start a new search using the classifications listed?](#)
- [Where can I view the description of a particular CPC class?](#)
- [What is the meaning of the stars in front of the classifications found?](#)
- [What does the text in brackets mean?](#)

Selected classifications
nothing selected
Find patents
Copy to search form

Cooperative Patent Classification

Search for Search View section **Index** A B C D E F G H Y

→ ← + - CPC [...] 2000 A »

Symbol	Classification and description	
<input type="checkbox"/> A	HUMAN NECESSITIES	S
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	S i
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	S i
<input type="checkbox"/> D	TEXTILES; PAPER	S
<input type="checkbox"/> E	FIXED CONSTRUCTIONS	S
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	S i
<input type="checkbox"/> G	PHYSICS	S i
<input type="checkbox"/> H	ELECTRICITY	S 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	S i



Smart search

Advanced search

Classification search

Quick help

- [What is the Cooperative Patent Classification system?](#)
- [How do I enter classification symbols?](#)
- [What do the different buttons mean?](#)
- [Can I retrieve a classification using keywords?](#)
- [Can I start a new search using the classifications listed?](#)
- [Where can I view the description of a particular CPC class?](#)
- [What is the meaning of the stars in front of the classifications found?](#)
- [What does the text in brackets mean?](#)

Selected classifications

nothing selected

Find patents

Copy to search form

Cooperative Patent Classification

Search for

Search

View section

[Index](#)

[A](#)

[B](#)

[C](#)

[D](#)

[E](#)

[F](#)

[G](#)

[H](#)

[Y](#)

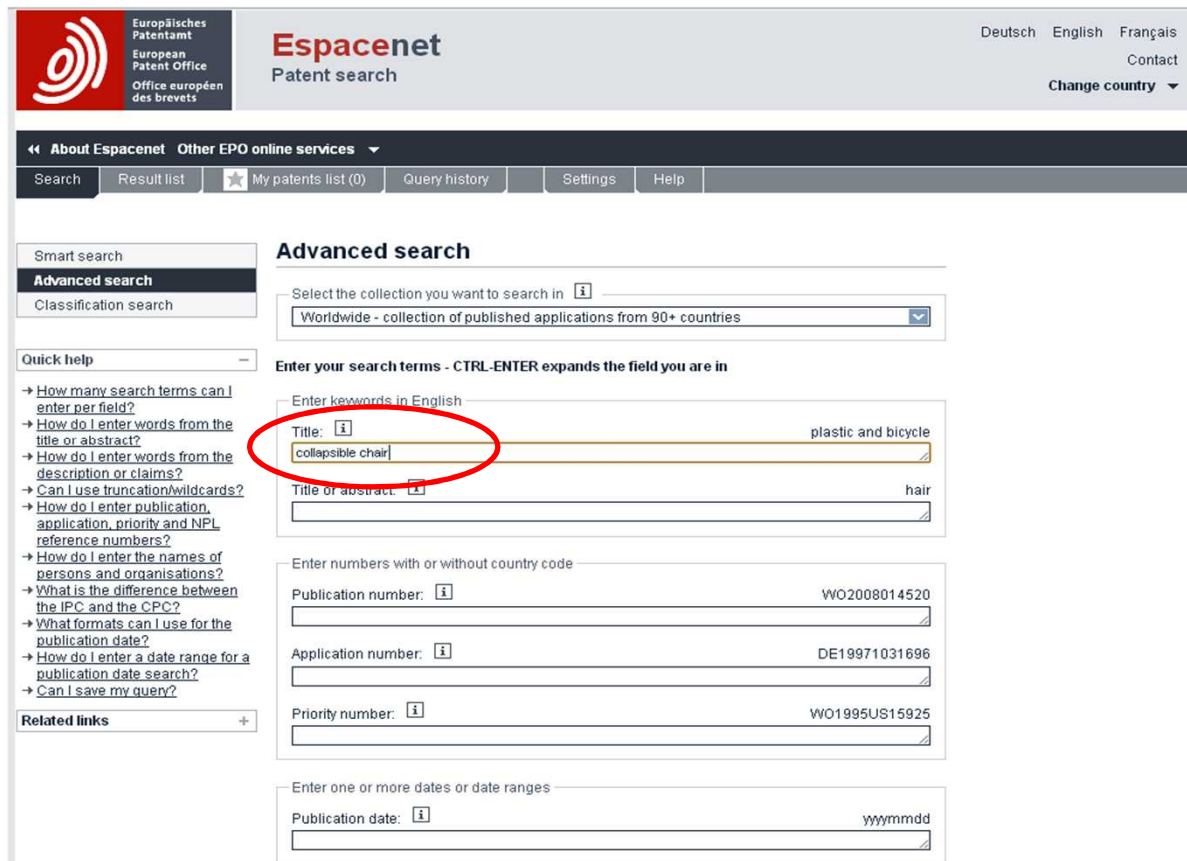
A »

Symbol	Classification and description
▼ ★★★★★ <input type="checkbox"/> A47C 4/00	Foldable, collapsible or dismantlable chairs (of tubular metal type A47C 5/10 ; children's foldable chairs A47D 1/02)
▼ ★★★★★ <input type="checkbox"/> A47C 7/00	Parts, details, or accessories of chairs or stools (attaching to floor A47B 91/08)
▼ ★★★★★ <input type="checkbox"/> A47C 9/00	Stools for specified purposes (with rotatable seats A47C 3/18 ; with vertically adjustable seats A47C 3/20 ; footstools A47C 16/02 ; prayer stools A47C 16/04 ; platforms or seat-boxes specially adapted for angling A01K 97/22){other seating furniture for specified purposes A47C 15/004 }
▼ ★★★★★ <input type="checkbox"/> A61G 5/00	Chairs or personal conveyances specially adapted for patients or disabled persons, e.g. wheelchairs ({ chairs with toilet conveniences A47K 11/04 ; } devices enabling patients or disabled persons to operate an apparatus or device not forming part of the body A61F 4/00 ; {running gear or propulsion features B60K ;} bicycles specially adapted for disabled riders B62K 3/16 ; { Invalid chairs having removable seats specially adapted to be transferred with the invalid to a vehicle and support the invalid during use of the vehicle A61G 3/02 })
▼ ★★★★★ <input type="checkbox"/> A47D 1/00	Children's chairs (chairs generally A47C)
▼ ★★★★★ <input type="checkbox"/> A47C 1/00	Chairs adapted for special purposes (features relating to vertical adjustability A47C 3/20 ; convertible chairs A47C 13/00 ; chairs or personal conveyances specially adapted for patients or disabled persons A61G 5/00 ; operating chairs, dental chairs A61G 15/00)
▼ ★★★★★ <input type="checkbox"/> A47C 5/00	Chairs of special materials
▼ ★★★★★ <input type="checkbox"/> A63B 23/00	Exercising apparatus specially adapted for particular parts of the body (A63B 22/00 takes precedence; force-resisting aspects A63B 21/00 ; electric or electronic controls therefor A63B 24/00 ; devices for exercising or strengthening of fingers, or arms in teaching operation of keyboards G09B 15/06)

2. NOIP's Patent examiners classify patents

- About Vietnamese's patent applications:

We also use the other way to find out the IPC of the “collapsible chair”: Search the patents related to “collapsible chair” on the ESPACENET and use the IPC has classified, check this IPC if it correct or not.



The screenshot shows the Espacenet Patent search interface. The top navigation bar includes the EPO logo, the text 'Espacenet Patent search', and language options (Deutsch, English, Français) and a 'Change country' dropdown. Below the navigation bar is a menu with 'Search', 'Result list', 'My patents list (0)', 'Query history', 'Settings', and 'Help'. The main content area is titled 'Advanced search' and contains several search fields. The 'Title' field is highlighted with a red circle and contains the text 'collapsible chair'. Other fields include 'Worldwide - collection of published applications from 90+ countries' for the collection, 'plastic and bicycle' for the keywords, and 'hair' for the title or abstract. There are also fields for 'Publication number', 'Application number', 'Priority number', and 'Publication date'.



KR101267043 (B1)

Bibliographic data

Description

Claims

Mosaics

Original document

Cited documents

Citing documents

INPADOC legal status

INPADOC patent family

Quick help

- [What does A1, A2, A3 and B stand for after a European publication number?](#)
- [What happens if I click on "In my patents list"?](#)
- [What happens if I click on the "Register" button?](#)
- [Why are some sidebar options deactivated for certain documents?](#)
- [How can I bookmark this page?](#)
- [Why does a list of documents with the heading "Also published as" sometimes appear, and what are these documents?](#)
- [Why do I sometimes find the abstract of a corresponding document?](#)
- [What happens if I click on the](#)

Bibliographic data: KR101267043 (B1) — 2013-05-27

In my patents list Previous ◀ 7/500 ▶ Next → EP Register → Report data error

Print

COLLAPSIBLE CHAIR

Page bookmark [KR101267043 \(B1\) - COLLAPSIBLE CHAIR](#)

Inventor(s): MOON YOUNG MIN [KR] ±

Applicant(s): MOON YOUNG MIN [KR] ±

Classification: - international: **A47C4/04; A47C7/02**

- cooperative:

Application number: KR20130026689 20130313

Priority number(s): KR20130026689 20130313

Abstract of KR101267043 (B1)

Translate this text into

Bulgarian



patenttranslate

powered by EPO and Google

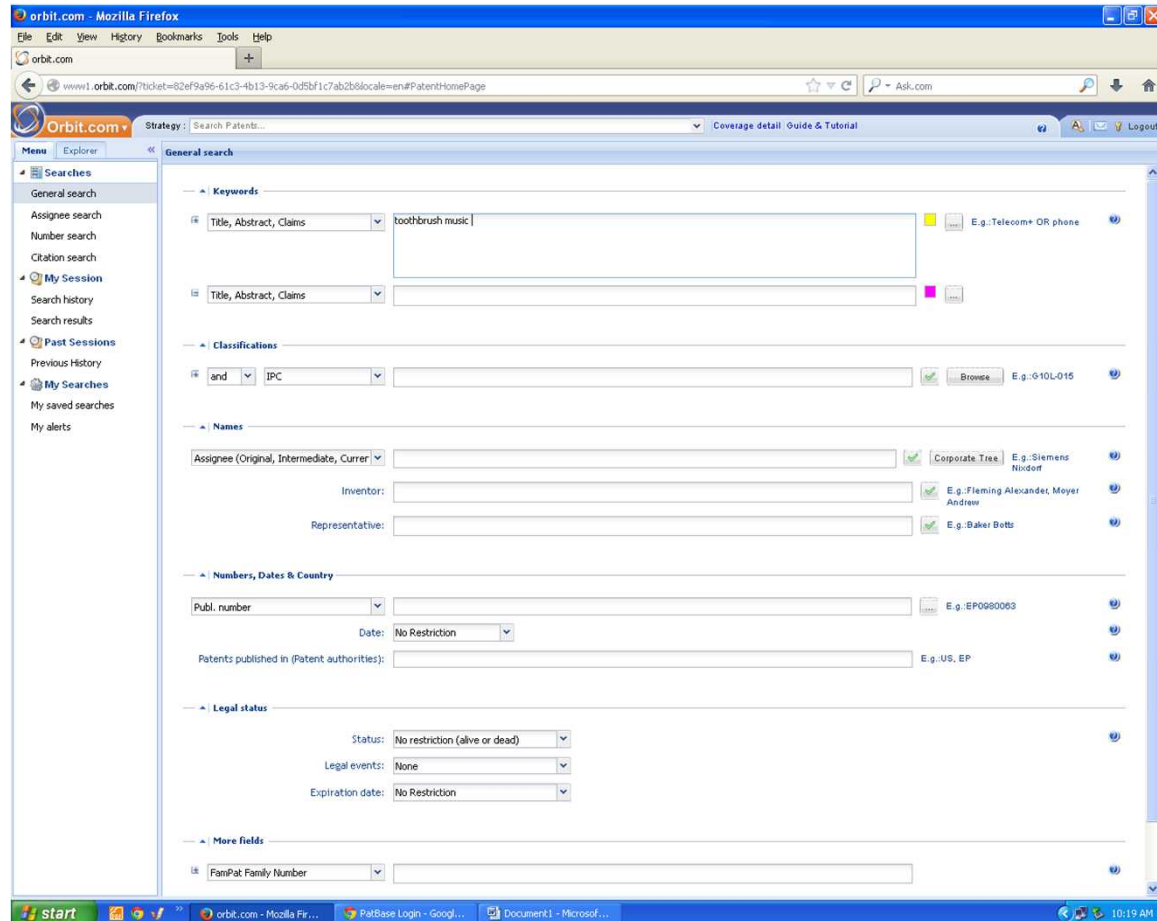
PURPOSE: A collapsible chair is provided to be folded flat and be easily piled up, thereby easily transporting the folded chairs and occupying less storage space. CONSTITUTION: A collapsible chair comprises a main frame(A); a sub frame(B) which is rotatably combined in the sleeves of both sides of the main frame; a seat(C); a slot hole which is formed below the each of sleeves of the main frame; a link of which one end is hinged to the seat; a bracket of which one end is hinged to the sub frame. The link is combined to the other end of the bracket by a pin passing through the slot hole. The sub frame rotates with the seat together.

A47C

- 3/36 . . có phương tiện điều chỉnh độ cao của mặt ghế bằng cách nghiêng chân ghế hay ghế đầu
- 3/38 . . có mặt ngồi phụ hay chân phụ để điều chỉnh độ cao mặt ghế
- 3/40 . . Cơ cấu dẫn hướng kiểu ống lồng
- 4/00 Ghế gấp được, xếp được, hay tháo rời được (làm từ kim loại hình ống A47C 5/10; ghế xếp cho trẻ em A47D 1/02)**
- 4/02 . Ghế tháo rời được
- 4/03 . Ghế gỗ không bọc đệm [2]
- 4/04 . Ghế gấp có mặt ngồi cứng
- 4/06 . . Cố định lớp bọc hay vải vào khung (cố định lớp bọc vào đồ gỗ nói chung A47C 31/02)
- 4/08 . . có khung bằng gỗ hay bằng chất dẻo
- 4/10 . . . với các chân ghế liên kết quay được với mặt đế ngồi hay với khung dưới
- 4/12 điều chỉnh được (A47C 4/14 được ưu tiên)
- 4/14 với các chân ghế chéo nhau
- 4/16 điều chỉnh được
- 4/18 . . với khung bằng kim loại
- 4/20 . . . với các chân ghế liên kết quay được với mặt đế ngồi hay với khung dưới
- 4/22 điều chỉnh được (A47C 4/24 được ưu tiên)
- 4/24 có các chân ghế chéo nhau
- 4/26 điều chỉnh được
- 4/28 . Ghế xếp có vỏ bọc mềm cho mặt ngồi và mặt tựa lưng
- 4/30 . . Cố định lớp bọc đệm hay vải vào khung (cố định lớp bọc vào đồ gỗ nói chung A47C 31/02)
- 4/32 . . có khung bằng gỗ hay bằng chất dẻo
- 4/34 . . . với các chân ghế liên kết quay được với mặt đế ngồi hay với khung dưới

3. Patent search database

- **ORBIT.COM**
- **PATBASE.COM**
- **And some databases free on the internet, such as: espacenet, patentscope, freepatentsonline...**



4. Challenges regarding patent classification

Thank you for your attention!