

(2011/06)

Enhancements to Classification Searching and Coverage in INPADOCDB and INPAFAMDB

Content

1	First Page Images available	2
2	European Patent Classification Thesauri added	4
3	Simplification of the International Patent Classification	8
4	Extended Coverage of Japanese Utility Models	9
5	Enhanced Coverage of Patent Citations from Japan and Italy	9
6	Enhanced Coverage of US Fee Payment Data	10
7	Legal Status Data from Colombia and Slovakia available	10

1 First Page Images available

First page images are now available for patent publications of 8 major patent authorities in the INPADOC databases INPADOCDB and INPAFAMDB. This new graphical information greatly supports relevance checking of technology search results.

Generally, one image is provided for each EPO simple family which is most often the image of the first publication of a major country. The coverage of first page images includes the following patent authorities: CH (1978-), DE (1970-), EP (1978-), FR (1969-), GB (1969-), JP (1980-), US (1971-) and WO (1978-). When a complex INPADOC family comprises multiple EPO simple families, several images could be available. Due to the different technical content of these EPO simple families, images could be different.

In a first step, images will be updated on a quarterly basis and will not be available for SDIs. Later this year, access to images will be enhanced for very new documents and for patent publications of additional countries. Please check for future INPADOC announcements.

First page images can be displayed with the standard display format *GI* and several predefined display formats in both INPADOC files. The predefined formats include file-specific image formats and all family display formats.

Image display formats in INPADOCDB and INPAFAMDB

Image formats in INPADOCDB		Image formats in INPAFAMDB	
<i>GI</i>	one image of the EPO simple family	<i>GI</i>	all images of the INPADOC family
<i>GI.F</i>	all images of the INPADOC family	<i>BRIEFGI</i>	
<i>STDG</i>	one image of the EPO simple family	<i>STDG</i>	one image of the INPADOC family
<i>ALLG</i>			
<i>IALLG</i>			
<i>MAXG</i>			
<i>IMAXG</i>			
<i>FFAMG</i>	all images of the INPADOC family	<i>FFAMG</i>	all images of the INPADOC family
<i>MFAMG</i>			
<i>IFAMG</i>			
		<i>MAXG</i>	
		<i>IMAXG</i>	

Sample display of the new BRIEFG-format in INPAFAMDB

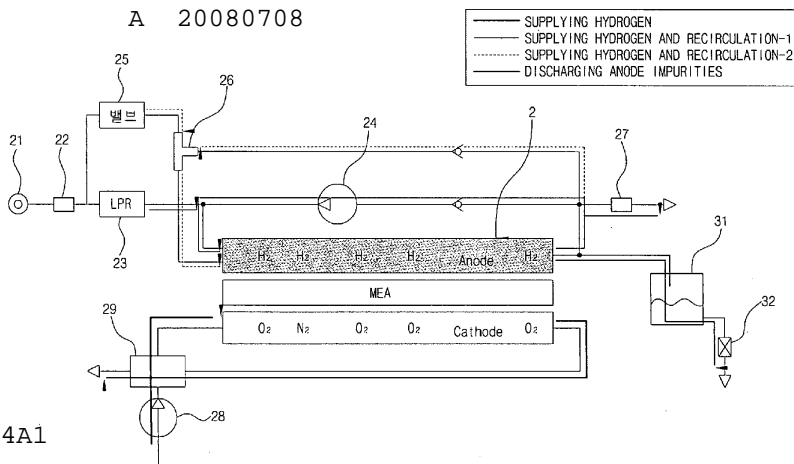
=> D BRIEFG

L1 ANSWER 1 OF 1 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN
 AN 38757216 INPAFAMDB EDF 20100114 EWF 201002 UPFB 20110505 UWF 201118
 TI Method for controlling output of fuel cell in fuel cell hybrid vehicle.
 - METHOD FOR CONTROLLING FUEL CELL OUTPUT OF FUEL CELL HYBRID VEHICLE.
 INS HO CHOI SEO; WOO LEE NAM; IL JEON SOON; UK KWON SANG; PIL RYU SEONG; SOON
 PARK SUN
 - CHOI SEO HO, KR; LEE NAM WOO, KR; JEON SOON IL, KR; KWON SANG UK, KR; RYU
 SEONG PIL, KR; PARK SUN SOON, KR
 PAS HYUNDAI MOTOR CO LTD
 - HYUNDAI MOTOR CO LTD, KR
 IPCI B60W0010-28 [I,A]; B60L0011-18 [I,A]; B60L0007-10 [I,A];
 H01M0008-04 [I,A]; H01M0008-24 [I,A]
 EPC H01M0016-00F; H01M0008-04H4K6F; H01M0008-04H6K6
 NCLM NCLM 429/013.000
 AB (US 20090325004 A1)

The present invention provides a method for controlling output of a fuel cell to improve fuel efficiency of a fuel cell hybrid vehicle, in which the fuel cell is operated at a constant power at a maximum efficiency point, wherein the fuel cell and a storage means are directly connected if the output and energy of the storage means is insufficient, and the power generation of the fuel cell is stopped when the level of energy of the storage means is increased during stopping or during low power operation such that the fuel cell is intensively operated at the maximum efficiency point, thus improving the fuel efficiency of the fuel cell and the efficiency of the fuel cell system.

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+			+----- Applications -----+		
CN 101612939	A	20091230	CN 2008-10246390	A	20081215
KR 2010001390	A	20100106	KR 2008-61277	A	20080627
KR 2010005767	A	20100118	KR 2008-65804	A	20080708
US 20090325004	A1	20091231	US 2008-334747	A	20081215
+----- Priorities -----+					
KR 2008-61277	A	20080627			
KR 2008-65804	A	20080708			



US20090325004A1

2 priorities, 4 applications, 4 publications

2 European Patent Classification Thesauri added

The European patent classifications ECLA and ICO are available for about 50% of all patent applications and build a powerful search tool for the INPADOC databases. A thesaurus has now been added to both European patent classifications to support patent classification searching.

The European patent classification codes are searchable in the fields /EPC (ECLA codes) and /ICO (in computer only codes), respectively. A thesaurus is attached to both search fields and allows to view the definition of the codes and their respective hierarchies. The relationships can also be employed for hierarchical and range searching. The definitions of the codes are searchable, which allows to identify appropriate codes for a certain topic. See HELP THESAURUS and HELP RCODES for further details.

Identify and search appropriate ECLA classification codes for transdermal patches

=> FIL INPAFAMDB

=> E TRANSDERMAL+KT/EPC

look for the appropriate term in the EPC expand list with **+KT**

E#	FILE	FREQUENCY	TERM
--	----	-----	----
E1	INPAFAMDB	0	--> transdermal/EPC
E2	INPAFAMDB	0	KT A61N0005-12 transdermal delivery devices A61K0009-70E (N0001)/EPC
E3	INPAFAMDB	0	KT Sonoferese ultrasonically enhanced transdermal delivery; Electroporation (N9701)/EPC
E4	INPAFAMDB	0	KT Transdermal patches and similar drug-containing composite devices, e.g. cataplasms galenical aspects iontophoretic devices A61K0009-00L8; buccal patches A61K0009-00M18D/EPC
E5	INPAFAMDB	0	KT Transdermal patches drug-in-adhesive type, i.e. comprising drug in skin-adhesive layer (N1004)/EPC

=> E E4+CODE

identify the ECLA-code for the selected term with **+CODE**

E#	FILE	FREQUENCY	TERM
--	----	-----	----
E1	INPAFAMDB	0	--> Transdermal patches and similar drug-containing composite devices, e.g. cataplasms galenical aspects iontophoretic devices A61K0009-00L8; buccal patches A61K0009-00M18D/EPC
E2	INPAFAMDB	487	A61K0009-70E/EPC

***** END *****

=> E A61K0009-70E+ALL/EPC

display the complete hierarchy of the relevant classification code with +ALL

E#	FILE	FREQUENCY	TERM
--	----	-----	----
E1	INPAFAMDB	0	BT7 A/EPC
E2	INPAFAMDB	0	BT6 A61-/EPC Health; amusement
E3	INPAFAMDB	0	BT5 A61/EPC MEDICAL OR VETERINARY SCIENCE; HYGIENE
E4	INPAFAMDB	222058	BT4 A61K/EPC PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES explanation: devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms
E5	INPAFAMDB	5972	BT3 A61K0006/EPC
E6	INPAFAMDB	70	BT2 A61K0009-00/EPC Medicinal preparations characterised by special physical form explanation: nuclear magnetic resonance contrast preparations or magnetic resonance imaging contrast preparataions A61K0049-18;
E7	INPAFAMDB	416	BT1 A61K0009-70/EPC Web, sheet or filament bases; comment: Films; Fibres of the matrix type containing drug; explanation: hollow drug-filled fibres A61K0009-00Z4; bandages, dressings or absorbent pads A61F0013-00,
E8	INPAFAMDB	487	--> A61K0009-70E/EPC comment: Transdermal patches and similar drug-containing composite devices, e.g. cataplasms explanation: galenical aspects of iontophoretic devices A61K0009-00L8; buccal patches A61K0009-00M18D
E9	INPAFAMDB	372	NT1 A61K0009-70E2/EPC comment: characterised by shape or structure; Details concerning release liner or backing; Refillable patches; User-activated patches (N1004)
E10	INPAFAMDB	66	NT2 A61K0009-70E2B/EPC comment: Transdermal patches of the drug-in-adhesive type, i.e. comprising drug in the skin-adhesive layer (N1004)
E11	INPAFAMDB	1	NT3 A61K0009-70E2B6/EPC comment: the adhesive comprising macromolecular compounds (N1004)
E12	INPAFAMDB	540	NT4 A61K0009-70E2B6B/EPC comment: obtained by reactions only involving carbon to carbon unsaturated bonds, e.g. polyvinyl, polyisobutylene, polystyrene (N1004)
E13	INPAFAMDB	798	NT5 A61K0009-70E2B6B2/EPC comment: Polyacrylates (N1004)
E14	INPAFAMDB	265	NT4 A61K0009-70E2B6D/EPC

comment: obtained otherwise than by reactions only involving carbon to carbon unsaturated bonds, e.g. polysiloxane, polyesters, polyurethane, polyethylene oxide

E15 INPAFAMDB 176 **NT3 A61K0009-70E2B8/EPC**
comment: the adhesive comprising ingredients of undetermined constitution or reaction products thereof, e.g. rosin or other plant resins (N1004)

E16 INPAFAMDB 664 **NT2 A61K0009-70E2D/EPC**
comment: Transdermal patches having a drug layer or reservoir, and one or more separate drug-free skin-adhesive layers, e.g. between drug reservoir and skin, or surrounding the drug reservoir;

E17 INPAFAMDB 167 **NT2 A61K0009-70E2K/EPC**
comment: Transdermal patches having multiple drug layers or reservoirs, e.g. for obtaining a specific release pattern, or for combining different drugs (N1004)

***** END *****

=> S A61K0009-70E+NT/EPC

L1 2274 A61K0009-70E+NT/EPC (10 TERMS)

search for the code and automatically include all narrower codes with **+NT**

=> D BRIEFG

L3 ANSWER 558 OF 2274 INPAFAMDB COPYRIGHT 2011 EPC
AN 32991552 INPAFAMDB UPFB 20100527 UWF 201021
TI Patch for transdermal administration of volatile pharmaceutically active ingredients of chemically basic nature and a process for preparation.
INS WOLTER KARIN, DE; MUELLER WALTER, DE; SIMON GUENTER, DE; NALBACH CHRISTA, DE; HOFFMANN HANS-RAINER, DE
PAS LOHMANN THERAPIE SYST LTS, DE
IPCR A61K0009-70 [I,A]; A61L0015-58 [I,A]
EPC **A61K0009-70E2**; **A61K0009-70E2B6B2**; **A61K0009-70E2D**; A61L0015-58+C08L33/00
NCL NCLM 424/449.000
NCLS 424/448.000; 514/946.000
AB (US 5462746 A)

the BRIEFG-format includes the ECLA classification codes

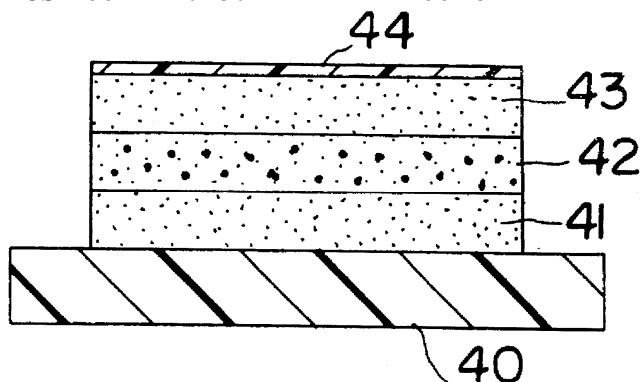
The invention relates to a patch for transdermal administration of volatile pharmaceutically active ingredients of chemically basic nature which comprises a multi-element system comprising (a) a matrix having distributed therein as the drug said volatile active ingredient or a physiologically acceptable salt thereof, the matrix comprising a pressure-sensitive adhesive, (b) an element of a pressure-sensitive adhesive composition which-where (a) contains a salt-contains basic groups to liberate the free base from its salt, (c) a backing layer impermeable to the diffusible ingredients of (a) and (b), and (d) a release liner impermeable to the diffusible ingredients of (a) and (b), matrix (a) or at least a part of (b), whichever is in contact with release liner (d), having a tack sufficient for affixing the patch to the skin, any part of (b) positioned between matrix (a) and release liner (d) being permeable for the deprenyl or the salt thereof or both. The invention also relates to a process for preparing such patch and to a process for treating a patient suffering from Parkinson's or Alzheimer's disease with such patch.

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+
 US 5462746 A 19951031

+----- Applications -----+
 US 1994-226236 A 19940411

+----- Priorities -----+
 US 1992-969895 A 19921102
 US 1994-226236 A 19940411



Use the ICO-thesaurus to display the nanotechnology ICO codes for the class Y01

=> FIL INPAFAMDB

=> E Y01+ALL/ICO

E#	FILE	FREQUENCY	TERM
E1	INPAFAMDB	0	BT2 y/ICO GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-OVER TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC (N0403)
E2	INPAFAMDB	0	BT1 Y01:/ICO
E3	INPAFAMDB	0	--> Y01/ICO BROAD TECHNICAL FIELDS CHARACTERISED BY DIMENSIONAL ASPECTS (N0403)
E4	INPAFAMDB	76	NT1 Y01N/ICO NANOTECHNOLOGY (N0403)
E5	INPAFAMDB	10	NT2 Y01N0002/ICO
E6	INPAFAMDB	10	NT3 Y01N0002:00/ICO Nanobiotechnology (N0403)
E7	INPAFAMDB	19	NT3 Y01N0004:00/ICO Nanotechnology for information processing, storage or transmission (N0403)
E8	INPAFAMDB	36	NT3 Y01N0006:00/ICO Nanotechnology for materials or surface science (N0403)
E9	INPAFAMDB	16	NT3 Y01N0008:00/ICO Nanotechnology for interacting, sensing or actuating (N0403)
E10	INPAFAMDB	7	NT3 Y01N0010:00/ICO Nanooptics (N0403)
E11	INPAFAMDB	6	NT3 Y01N0012:00/ICO Nanomagnetics (N0403)

***** END *****

3 Simplification of the International Patent Classification

Since January 2011 the simplification of the IPC has been in force which means that we now have only one level of the IPC instead of two levels as before. The full level of the current IPC corresponds to the old “advanced level”, the old “core level” IPC has been abandoned. Patent authorities can now either classify at full IPC level or optionally at main group or subclass level.

The simplification of the IPC also means that the European Patent Office no longer creates “rolled-up” core codes from advanced level codes. As a consequence of these IPC changes all rolled-up core codes were removed from the INPADOC databases on STN at the beginning of 2011.

The most obvious benefit of the removal of the rolled-up core codes is that the IPC display is now significantly shorter. Often advanced and rolled-up core codes were the same leading to much redundancy.

Another benefit of the IPC-changes in 2011 is that IPC-searching at different hierarchical levels is more specific than before. Now an IPC-search only retrieves documents which have been classified or reclassified with a particular IPC code. An IPC search does no longer retrieve documents which have a rolled-up core level code assigned, but do not match the search query with respect to the original classification.

IPC-display after the IPC-changes in January 2011

=> S WO2011063426/PN

=> D IPC

IPCI F27B0003-08 [I,A]; C22B0009-20 [I,A]; F27D0011-00 [I,A]

IPC-format: short IPC-display with main attributes in brackets

=> D IPC.TAB

IPC.TAB-format: detailed IPC-display providing all attributes

IPC	CODE	VERSION	POS	INV	LEVEL	CC	ASSIGNMENT	DATE	STAT
IPCI	F27B0003-08	(200601)	F	I	Advanced	AT	Human	20110526	O
	C22B0009-20	(200601)	L	I	Advanced	AT	Human	20110526	O
	F27D0011-00	(200601)	L	I	Advanced	AT	Human	20110526	O

4 Extended Coverage of Japanese Utility Models

At the end of last year about 860.000 Japanese registered utility models published in the Heisei period from 1989-2002 were added to INPADOC. For these publications basic bibliographic information is available like publication, application and priority details and IPC classification codes.

5 Enhanced Coverage of Patent Citations from Japan and Italy

The INPADOC databases currently cover patent citations for 25 patent authorities. The citation coverage has significantly been enhanced in 2011 by

- examiner citations for about 1.1 million Japanese publications:
 - 640.000 JP A publications (1973-1997)
 - 495.000 JP U publications (1972-1989)
 - 4600 JP T publications (1983-1997)
 - 1800 JP C publications (1994-1996)
- new citation data for Italian published applications (IT A1) from 2008 onwards (examiner citations, relevance indicators available)

Example of patent citations for Japanese published application

=> **FIL INPADOCDB**

display format **RE** provides all referenced patent and non patent information

=> **D BIB RE**

```
L1 ANSWER 1 OF 1 INPADOCDB COPYRIGHT 2011 EPO/FIZ KA on STN
AN 33278108 INPADOCDB UP 20110120 UW 201103
FN 22105122
TI INFORMATION PROCESSING SYSTEM HAVING MATRIX DISPLAY DEVICE.
TL English
IN MANO HIROYUKI; NISHIOKA KIYOKAZU; FUTAMI TOSHIO; KINUGAWA KIYOSHIGE
INS MANO HIROYUKI; NISHIOKA KIYOKAZU; FUTAMI TOSHIO; KINUGAWA KIYOSHIGE
PA HITACHI LTD
PAS HITACHI LTD
PI JP 09251283 A 19970922
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 19970922 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 1996-60565 A 19960318
AIT JPA Patent application
PRAI JP 1996-60565 A 19960318 (JPA, Y)
PRAIT JPA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.
REP JP 63304229 A 19881212 (SEA, pat)
SEIKO EPSON CORP
JP 63161495 A 19880705 (SEA, pat)
HOSIDEN ELECTRONICS CO
JP 63115198 A 19880519 (SEA, pat)
FUJITSU LTD
JP 62251798 A 19871102 (SEA, pat)
SEIKO INSTR & ELECTRONICS
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
```

6 Enhanced Coverage of US Fee Payment Data

The coverage of US fee payment data has been extended to include 5 more payment events back to 1981. So far, only payment data for US-patents expired due to failure to pay maintenance fee have been covered (code USFP).

Legal Status Codes covering US fee payments

US FP	-	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
US FPAY	+	FEE PAYMENT
US LAPS	-	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
US REIN	+	REINSTATEMENT AFTER MAINTENANCE FEE PAYMENT CONFIRMED
US REMI		MAINTENANCE FEE REMINDER MAILED
US SULP	+	SURCHARGE FOR LATE PAYMENT

7 Legal Status Data from Colombia and Slovakia available

At the beginning of 2011, legal status information for Colombian patent publications (CO A1, CO A2) was loaded into INPADOC including 4 different legal status events. The coverage goes back to 2002. PCT-entry into national phase data are currently not available for Colombia.

Legal Status Codes for Colombia

COFA	-	APPLICATION WITHDRAWN
COFC	-	APPLICATION REFUSED
COFD	-	APPLICATION LAPSED
COFG	+	APPLICATION GRANTED

Legal status data are now also available for Slovakian patent publications from 1993 onwards including 24 different legal status events referring to patent expiry, lapse of application, fee payment, SPC information and others. Entry into the national phase data for Slovakia are available for PCT-applications from 1992 onwards and also for EP-publications starting in 2004.

Legal Status Codes for Slovakia

SK BA9A		TRANSLATION OF THE CLAIM INTO SLOVAKIAN
SK FA9A	-	SUSPENDED PATENT APPLICATION PROCEDURE AT REQUEST OF AN APPLICANT
SK FB9A	-	SUSPENDED PATENT APPLICATION PROCEDURE
SK FC9A	-	REFUSED PATENT APPLICATION
SK FD9A	-	SUSPENDED PROCEDURES DUE TO NON-PAYMENT OF FEE
SK MC4A	-	ANNULEMENT OF PATENT
SK MG4A	-	PARTIAL REVOCATION OF INVENTOR'S CERTIFICATE
SK MK4A	-	EXPIRY OF PATENT
SK MM4A	-	PATENT LAPSED DUE TO NON-PAYMENT OF MAINTENANCE FEES
SK PC4A		ASSIGNMENT AND TRANSFER OF RIGHTS
SK PD4A		LIEN (CHANGE OF THE RIGHTS OF DISPOSAL)
SK QA4A		LICENCE OFFER TO PATENT
SK QB4A		LICENCE CONTRACT REGISTERED OR GRANTED
SK SPCF	+	FILING AN SPC
SK SPCG	+	GRANT OF AN SPC
SK SPCR	-	REJECTION OF AN SPC
SK TA4A		CHANGE OF INVENTOR(S) NAME
SK TB4A		CORRECTION OF NAMES

SK TC4A	CHANGE OF OWNER'S NAME
SK TE4A	CHANGE OF OWNER'S ADDRESS
SK TH4A	GENERAL CORRECTION OR CHANGES
SK T3	+ TRANSLATION OF EUROPEAN PATENT SPECIFICATION INTO SLOVAKIAN
SK T4	CHANGED SLOVAKIAN TRANSLATION OF A EUROPEAN PATENT SPECIFICATION
SK T5	TRANSLATION OF AN AMENDED EUROPEAN PATENT SPECIFICATION