
(2013/01)

INPADOC Databases enhanced with Calculated Expiration Dates

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1 Calculated Expiration Dates now available

The INPADOC databases on STN have been enhanced with calculated expiration dates for granted IP rights of major patent authorities worldwide. This data enhancement offers new options to identify patents which are potentially in force. Calculated expiration dates help users to narrow down FTO search results to active patent families and eliminate old patents which have naturally expired.

Expiration dates of patents reaching the maximum life time are typically not available in the INPADOC legal status, except for a small number of countries. For selected patent authorities the INPADOC legal status provides actual expiration dates, which can be used as an additional source of expiration information.

Expiration dates are calculated for granted publications of 30 patent authorities with an application date from 1980 onwards. This coverage accounts for almost 97% of all grants since 1980. Patent authorities included are the following: AR, AT, AU, BE, BR, CA, CH, CN, DE, DK, EP, ES, FI, FR, GB, HK, HU, IE, IT, JP, KR, MX, NL, PL, RU, SE, SU, TW, US, ZA.

Basic Principles for the Calculation of Patent Terms

The calculation of patent terms is much more complex than just adding 20 years to the application date. Although many patent offices have changed their IP legislation according to the TRIPS agreement, various patent terms have to be considered for diverse publication types. More than 400 rules operate behind the scene for calculating the expiration dates for the 30 patent authorities. Major aspects to be considered are:

- *Patent laws and patent law changes for all granted IP rights applied since 1980.*
This includes patents, utility models, design and plant patents and all related publication types like standard and short term patents, reexaminations and reissue patents.
- *The determination of the earliest effective filing date.*
The earliest effective filing date is the first priority date of a chain of priority dates. Depending on the patent law, this date is crucial to calculate the patent term of e.g. divisional patents and continuation in parts.

Limitations

The patent term calculations are based on bibliographic INPADOC data, comprising publication, application and priority information. According to these calculation requirements, the quality of the calculated patent terms depends on the comprehensiveness and accuracy of the INPADOC data. The following data are not taken into account:

- Patent term adjustments (PTA), e.g. for US patent documents.
- Expiry information from the INPADOC legal status, e.g. early patent expiry due to non-payment of annual fees.
- Calculated expiration dates for supplementary protection certificates, e.g. for DE I2 or NL I2 publications.

Search and Display Options

Calculated expiration dates are fully searchable with the new search field **/XPD** which can be used to search for dates, date ranges and open date ranges. Similar functionality is available for the calculated expiration year **/XPY**. The field availability XPD/FA indicates the presence of XPD dates.

XPD is also a custom display field which is part of the standard display formats BIB, STD, ALL, MAX, FFAM, IFAM, MFAM. Select and analysis options are provided for the calculated expiration date XPD and the calculated expiration year XPY.

How to search for calculated expiration dates /XPD and calculated expiration years /XPY

```
=> S 20130120/XPD
=> S 20140601-20150601/XPD
=> S XPD>20121001
=> S 2013-1016/XPY
```

Search example: Identify all patents which will potentially expire after the 1st of June 2012

=> FIL INPADOCDB

use the relationship code **+NT** for classification searching to include all narrower codes

=> S C12N0015-79+NT/IPC,CPC AND XPD>20120601

```
138146 C12N0015-79+NT/IPC (14 TERMS)
2491 C12N0015-79+NT/CPC (96 TERMS)
14243353 XPD>20120601
L1 48374 C12N0015-79+NT/IPC,CPC AND XPD>20120601
```

=> D STD 100

```
L1 ANSWER 100 OF 48374 INPADOCDB COPYRIGHT 2012 EPO/FIZ KA on STN

AN 60850048 INPADOCDB ED 20120830 EW 201235 UP 20120830 UW 201235 ...
TI Combinatorial DNA Library for Producing Modified N-Glycans in Lower ...
IN GERNGROSS, TILLMAN U.; WILDT, STEFAN; NETT, JUERGEN HERMANN; DAVIDSON,...
INS GERNGROSS TILLMAN U; WILDT STEFAN; NETT JUERGEN HERMANN; DAVIDSON ...
PA GLYCOFI, INC.
PAS GLYCOFI INC
PI AU 2010200666 B2 20120816 English
PIT AUB2 PATENT PRECEDED BY A or PATENT PROCEDED BY OPI .....
DAV 20120816 printed-with-grant
STA GRANTED
AI AU 2010-200666 A 20100223
AIT AUA Patent application
PRAI AU 2004-213869 A 20040220 (AUA3, 20100408, N)
AU 2010-200666 A 20100223 (AUA, 20100408, N)
US 2003-371877 A 20030220 (USA, 20070301, Y)
PRAIT AUA3 Prior application claimed for a division
USA Patent application
XPD 20240220
IPCI C12N0009-10 [I,A]; C12N0015-79 [I,A]
CPC C12N0009-1051; C12N0015-1082; C12N0015-79
```

AU201200666 B2 is a divisional patent with an effective filing date of 20th Feb. 2004

2 Citing Patent Information added

Citing patent information (forward citations) has been added to more than 19 million patent applications, complementing the enormous amount of backward citations available in the INPADOC databases. In addition to the referenced patent citations, these forward citations help users to identify additional prior art and identify key patents of a company or a particular technology area.

The INPADOC collection provides citation data from all major patent authorities around the world, including applicant and examiner citations for 27 patent authorities (AP, AT, AU, BE, BG, CH, CY, CZ, DE, DK, EA, EP, ES, FI, FR, GB, GR, IT, JP, KR, LU, NL, NO, SG, TR, US, WO).

Forward citations include detailed information like citing patent number (**PN.G**) with publication date, citing patent assignee names (standardized) and cited patent number with citation details.

The citing patent data can be displayed with the display format **CGP** which is part of the standard display formats MAX, IFAM and MFAM. **CITN** combines backward and forward citations in one joint display. **PICITN** is a convenient family display format in INPAFAMDB providing all backward and forward citations for each member of the INPADOC family together with the publication number. The citing patent number count **PNC.G** is also displayable.

Citing patent numbers are provided in the STN standard format and can be searched with the new search field **/PN.G**. The field availability indicates the presence of citing patents, which is searchable with **CGP/FA**. Citation analysis is supported by the select fields **PC.G** (citing patent country) and **PN.G** (citing patent number).

Citing Patent Information: Overview of Search and Display Options

Code	Description	Search/Select	Display
PN.G	Citing patent number	Yes/Yes	-
PC.G	Citing Patent Country	Yes/Yes	-
PNC.G	Citing Patent Number Count	-/Yes	Yes
CGP	Display format for citing patent data; CGP is part of the standard display formats MAX, IFAM and MFAM	-/-	Yes
CITN	Backward and forward citations in one joint display	-/-	Yes
PICITN	All backward and forward citations for each family member together with the publication number: - INPADOCDB: for all members of the national family - INPAFAMDB: for all members of the international family	-/-	Yes

Display example of backward and forward citations for US20120008660 A1

```

AN      68073908 INPADOCDB ED 20120120 EW 201203 UP 20121018 UW 201242
FN      39917056
TI      III-NITRIDE SEMICONDUCTOR LASER, AND METHOD FOR FABRICATING III-NITRIDE
        SEMICONDUCTOR LASER.
IN      FUJII KEI; UENO MASAKI; AKITA KATSUSHI; KYONO TAKASHI; YOSHIZUMI YUSUKE;...
INS     FUJII KEI, JP; UENO MASAKI, JP; AKITA KATSUSHI, JP; KYONO TAKASHI, JP;.....
PA      SUMITOMO ELECTRIC INDUSTRIES, LTD.
PAS     SUMITOMO ELECTRIC INDUSTRIES, JP
PI      US 20120008660          A1 20120112 English
PIT     USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
AI      US 2011-13211858      A 20110817
AIT     USA Patent application
PRAI   JP 2009-34004          A 20090217 (JPA, 20100902, Y)
oooooooo

```

**MAX-display format
in INPADOCDB**

REP US 20080191223 A1 20080814 (PRS, pat)
 UNIV CALIFORNIA, US
 US 20060126688 A1 20060615 (PRS, pat)
 PALO ALTO RES CT INC
 REN (1) Ponce et al., "Lattice Mismatch and Misfit Dislocation in Hexagonal GaN-Based Heterostructures for Solid State Lighting Applications," 2007, Acta Microscopia, vol. 16, pg. 8-9. (PRS)
 (2) Scheinbenzuber et al., "Calculation of Optical Eigenmodes and Gain in Semipolar and Nonpolar InGaN/GaN Laser Diodes," 21 Sept 2009, Phys. Rev. B, 80, 115320, 16. (PRS)
 REC 4. THERE ARE 4 CITED REFERENCES (2 PATENT, 2 NON PATENT) AVAILABLE FOR THIS RECORD.

backward citations

CGP US 20110164637 A1 20110707 [US20120008660A1 (PRS, pat)]
 SUMITOMO ELECTRIC INDUSTRIES, JP
 US 20110180805 A1 20110728 [US20120008660A1 (PRS, pat)]
 SUMITOMO ELECTRIC INDUSTRIES, JP
 US 20110292957 A1 20111201 [US20120008660A1 (PRS, pat)]
 BHAT RAJARAM; SIZOV DMITRY
 US 8189639 B2 20120529 [US20120008660A1 (SEA, pat)]
 CORNING INC, US
 US 8207544 B2 20120626 [US20120008660A1 (SEA, pat)]
 SUMITOMO ELECTRIC INDUSTRIES, JPPNC.G 5
 PNC.G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

forward citations

citing patents

cited patent with citation details

Search example: Identify additional prior art for transdermal patches for insulin using forward citations (PN.G)

=> FIL INPAFAMDB

=> S A61K0009-7023+NT/CPC AND INSULIN#

L1 11 A61K0009-7023+NT/CPC AND INSULIN#

the CPC code **A61K0009-7023** is used to classify transdermal patches; use **+NT** to include all narrower codes in your search

=> TRA PN.G /PN

L2 TRANSFER L1 1- PN.G : 580 TERMS
 L3 306 L2/PN

select citing patent numbers **PN.G** and search them as patent numbers **/PN** using **TRANSFER**

=> D TI 1-

titles could be used for a fast relevance check with no display charges

L3 ANSWER 1 OF 306 INPAFAMDB COPYRIGHT 2012 EPO/FIZ KA on STN
 TI SYSTEMS AND METHODS FOR ENHANCING THE DELIVERY OF COMPOUNDS TO SKIN PORES USING ULTRASONIC WAVEFORMS.
 - SYSTEMES ET PROCESSUS POUR AMELIORER LA DISTRIBUTION DE COMPOSES DANS DES PORES CUTANES EN UTILISANT DES FORMES D'ONDE ULTRASONORES.

L3 ANSWER 2 OF 306 INPAFAMDB COPYRIGHT 2012 EPO/FIZ KA on STN
 TI STABLE FORMULATIONS FOR PARENTERAL INJECTION OF PEPTIDE DRUGS.
 - FORMULATIONS STABLES POUR INJECTION PARENTERALE DE MEDICAMENTS PEPTIDIQUES.

L3 ANSWER 3 OF 306 INPAFAMDB COPYRIGHT 2012 EPO/FIZ KA on STN
 TI MONITORING THE OPERATING HEALTH OF A FORCE SENSOR IN A FLUID INFUSION DEVICE.
 - Monitoring the seating status of a fluid reservoir in a fluid infusion device.
 - OCCLUSION DETECTION FOR A FLUID INFUSION DEVICE.
 - FLUID RESERVOIR SEATING PROCEDURE FOR A FLUID INFUSION DEVICE.

L3 ANSWER 4 OF 306 INPAFAMDB COPYRIGHT 2012 EPO/FIZ KA on STN
TI Systems and methods of fluidic sample processing.

L3 ANSWER 5 OF 306 INPAFAMDB COPYRIGHT 2012 EPO/FIZ KA on STN
TI Porous matrix drug core for lacrimal insert device.

- NOYAU MEDICAMENTEUX A MATRICE POREUSE POUR INSERT LACRYMAL.

oooooooooooooooo

=> D BRIEF 8 11 16 17 21

use the **BRIEF** format to display relevant inventions with bibliographic information

L5 ANSWER 8 OF 306 INPAFAMDB COPYRIGHT 2013 EPO/FIZ KA on STN
AN 36108495 INPAFAMDB EDF 20071122 EWF 200747 UPFB 20120802 UWF 201248
TI Water-dispersible patch containing an active agent for dermal delivery.
INS MUNJAL RAMESH CHAND; STOCKL REBECCA REID; MCENTIRE EDWARD ENNS; ENNS
PAS EASTMAN CHEM CO

.....
IPCI A61K0008-02 [I,A]; A61K0008-06 [I,A]; A61K0008-92 [I,A];
A61K0009-70 [I,A]; A61K0008-31 [I,A]; A61K0008-37 [I,A];
A61K0008-55 [I,A]; A61K0008-81 [I,A]; A61K0008-85 [I,A];
A61K0047-06 [I,A]; A61K0047-14 [I,A]; A61K0047-24 [I,A];
A61K0047-32 [I,A]; A61K0047-34 [I,A]; A61Q0019-00 [I,A]
CPC A61K0008-0208; A61K0008-31; A61K0008-8152; A61K0008-85; A61K0009-7061;
A61K0009-7069; A61K0009-7084; A61Q0019-00
EPC A61K0008-02C; A61K0008-31; A61K0008-81K4; A61K0008-85; A61Q0019-00
ICO K61K0009:70E2B6B2; K61K0009:70E2B6D; K61K0009:70E2D
NCL NCLM 424/449.000
INCL INCLM 424/449.000
AB (US 20070259029 A1)

A dermal patch having comprising at least two layers wherein at least one layer is a polymer matrix system having an active agent admixed therein. At least one of the layers includes a water-dispersible or water-dissipatable polymer. The dermal patch has an elongation factor of at least 50%.

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
AU 2007249963	A1 20071122	AU 2007-249963	A 20070508
BR 2007010234	A2 20110802	BR 2007-10234	A 20070508
CN 101431978	A 20090513	CN 2007-80015608	A 20070508
EP 2018143	A2 20090128	EP 2007-776835	A 20070508
JP 2009536647	A 20091015	JP 2009-509778	A 20070508
US 20070259029	A1 20071108	US 2007-800727	A 20070507
WO 2007133509	A2 20071122	WO 2007-US11036	W 20070508
WO 2007133509	A3 20080117		

+----- Priorities -----+	
US 2006-798575P	P 20060508
US 2007-800727	A 20070507
WO 2007-US11036	W 20070508

3 priorities, 7 applications, 8 publications (2 EPO simple families)

3 INPAFAMDB enhanced with Patent Family Counts

INPAFAMDB is the INPADOC family file on STN which comprises all publications of the INPADOC family in one database record. The new family counts in INPAFAMDB provide tools to analyze the family size of inventions, including counts for application and priority numbers and the number of EPO simple families.

The family size could be a useful indicator for the filing behaviour of a company (see search example below). Application number counts could also be used to separate very large INPADOC families from an answer set.

Family Counts	Search/Select Fields
Application Number Count	ACNT
Priority Number Count	PRCNT
EPO Simple Family Number Count	FCNT

The display format **FSTAT** (family status) summarizes all family counts in one display. **FSTAT** is part of the family display formats like BRIEF, CFAM and FFAM (see HELP FAMILY).

Patent Family Information of EP617952 (Beiersdorf) in the CFAM2-format


```

PATENT FAMILY INFORMATION
AN 8820669 INPAFAMDB

+----- Publications -----+           +----- Applications -----+
AT 159654T          T 19971115          AT 1994-102014      T 19940210
CN 1100927          A 19950405          CN 1994-102193      A 19940301
DE 4306068          A1 19940915          DE 1993-4306068     A 19930301
DE 59404449         D1 19971204          DE 1994-59404449    A 19940210
EP 617952           A1 19941005          EP 1994-102014      A 19940210
EP 617952           B1 19971029
ES 2109523          T3 19980116          ES 1994-102014      T 19940210
JP 06256133         A 19940913          JP 1994-49978       A 19940224
US 5466457          A 19951114          US 1994-203085      A 19940228

+----- Priorities -----+
DE 1993-4306068     A 19930301
DE 1994-59404449    A 19940210
    
```

patent family counts



2 priorities, 8 applications, 9 publications (2 EPO simple families)

Search Example: Comparison of the worldwide filing behaviour of Boehringer and Peugeot

```

=> FIL INPAFAMDB

=> S BOEHRINGER/PA,PAS
L1          9573 BOEHRINGER/PA,PAS

=> ANA L1 ACNT
L2          ANALYZE L1 1- ACNT :          94 TERMS
    
```

ACNT provides the number of applications filed for one invention (INPADOC family)

=> D 1-

L2 ANALYZE L1 1- ACNT : 94 TERMS

TERM #	# OCC	# DOC	% DOC	ACNT
1	4089	4089	42.71	1/ACNT
2	530	530	5.54	6/ACNT
3	459	459	4.79	5/ACNT
4	414	414	4.32	7/ACNT
5	403	403	4.21	2/ACNT
6	348	348	3.64	8/ACNT
7	333	333	3.48	4/ACNT
8	330	330	3.45	3/ACNT
9	279	279	2.91	9/ACNT
10	237	237	2.48	10/ACNT
11	175	175	1.83	11/ACNT
12	168	168	1.75	12/ACNT
13	153	153	1.60	13/ACNT
14	150	150	1.57	14/ACNT
15	131	131	1.37	15/ACNT
16	129	129	1.35	18/ACNT
17	111	111	1.16	17/ACNT
18	106	106	1.11	16/ACNT
19	91	91	0.95	19/ACNT
20	89	89	0.93	20/ACNT
21	64	64	0.67	21/ACNT
22	62	62	0.65	22/ACNT
23	49	49	0.51	23/ACNT
24	49	49	0.51	25/ACNT
25	45	45	0.47	24/ACNT
26	44	44	0.46	28/ACNT
27	43	43	0.45	27/ACNT
28	36	36	0.38	29/ACNT
29	33	33	0.34	26/ACNT
30	33	33	0.34	32/ACNT
31	32	32	0.33	33/ACNT
32	26	26	0.27	31/ACNT
33	24	24	0.25	37/ACNT
34	24	24	0.25	38/ACNT
35	22	22	0.23	36/ACNT
36	18	18	0.19	34/ACNT
37	18	18	0.19	35/ACNT
38	17	17	0.18	30/ACNT
39	16	16	0.17	40/ACNT
40	13	13	0.14	39/ACNT
41	10	10	0.10	41/ACNT
42	10	10	0.10	44/ACNT
43	10	10	0.10	45/ACNT
44	9	9	0.09	42/ACNT
45	9	9	0.09	43/ACNT
46	6	6	0.06	46/ACNT
47	6	6	0.06	53/ACNT
48	5	5	0.05	47/ACNT

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from the statistics you can calculate that **Boehringer files 7,4 applications per invention** on average

=> FIL INPAFAMDB

=> S (PEUGEOT OR CITROEN)/PA,PAS

L2 15124 (PEUGEOT OR CITROEN)/PA,PAS

=> ANA L2 ACNT

=> D 1-

L4 ANALYZE L3 1- ACNT : 26 TERMS

TERM #	# OCC	# DOC	% DOC	ACNT
1	9663	9663	53.89	1/ACNT
2	1468	1468	9.71	2/ACNT
3	1112	1112	7.35	3/ACNT
4	988	988	6.53	4/ACNT
5	785	785	5.19	5/ACNT
6	393	393	2.60	6/ACNT
7	248	248	1.64	7/ACNT
8	185	185	1.22	8/ACNT
9	121	121	0.80	9/ACNT
10	56	56	0.37	10/ACNT
11	24	24	0.16	11/ACNT
12	11	11	0.07	12/ACNT
13	8	8	0.05	14/ACNT
14	5	5	0.03	15/ACNT
15	5	5	0.03	16/ACNT
16	3	3	0.02	13/ACNT
17	3	3	0.02	18/ACNT
18	2	2	0.01	17/ACNT
19	2	2	0.01	19/ACNT
20	1	1	0.01	20/ACNT
21	1	1	0.01	21/ACNT
22	1	1	0.01	22/ACNT
23	1	1	0.01	25/ACNT
24	1	1	0.01	34/ACNT
25	1	1	0.01	36/ACNT
26	1	1	0.01	38/ACNT

***** END OF L4 ***

from the statistics you can calculate that **Peugeot files 2,1 applications per invention** on average

4 Enhanced Coverage of U.S. Citations

The coverage of US citation data has been extended to include examiner citations for US published applications (US A1 documents). This is a considerable advantage because citations of US documents are now available much earlier and more comprehensive than before. Previously, citations were only made available for US granted patents. Examiner citations of US A1 publications have the attribute PRS (pre-grant search) assigned indicating the source of citation (/SRT).

Example for Examiner Citations of US published application (US A1)

```
AN 71085337 INPADOCDB ED 20121129 EW 201248 UP 20121129 UW 201248
FN 38805774
TI MANAGING LOGICAL SOCKETS.
TL English
IN BANERJEE DWIP N.; CABRERA MARCO A.; MCLANE TOMMY L.; REYES EDUARDO L.
INS BANERJEE DWIP N, US; CABRERA MARCO A, US; MCLANE TOMMY L, US; REYES
    EDUARDO L, US
PA INTERNATIONAL BUSINESS MACHINES CORPORATION
PAS IBM, US
DT Patent
PI US 20120297072 A1 20121122 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20121122 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2012-13564581 A 20120801
AIT USA Patent application
PRAI US 2012-13564581 A 20120801 (USA, 20121129, N)
    US 2008-171951 A 20080711 (USA1, 20100121, Y)
PRAIT USA Patent application
    USA1 Prior application claimed for continuation
REC 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) AVAILABLE FOR
    THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.
IPCI G06F0015-173 [I,A]
CPC H04L0063-1458; H04L0029-08009; H04L0029-12924; H04L0061-6063
EPC H04L0063-14D2
ICO T04L0061:60D60; T04L0029:08A; T04L0029:12A9D60
INCL INCLM 709/226.000
AB A method includes receiving a request from a network source to create a
    logical socket on a logical port. The method includes accessing a
    structure that indicates a plurality of logical socket allocation
    policies to select a first of the plurality of socket allocation policies
    that corresponds to the logical port. Each of the plurality of logical
    socket allocation policies governs logical socket allocation for one or
    more ports, wherein logical allocation policies govern at least one of 1)
    the number of logical sockets that are allocated to the one or more.....
REP US 20070130367 A1 20070607 (PRS, pat)
    KASHYAP VIVEK
    US 7428581 B2 20080923 (PRS, pat)
    APPLIED MICRO CIRCUITS CORP, US
    US 20070033260 A1 20070208 (PRS, pat)
    JALUNA SA, FR
REC 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) AVAILABLE FOR
    THIS RECORD.
```

display format: **ALL RE**
in INPADOCDB

US patent citations with
attribute **PRS** indicating the
source of citation (PRS/SRT)

5 Legal Status in Original Language available

INPADOC comprises the largest legal status collection worldwide, offering selected legal status data in English for currently 61 patent authorities. The new legal status display format **LSO** (legal status original) in INPADOCDB provides the legal status code titles in the original German, French, Spanish, Dutch and some other languages.

For a list of legal status codes available in original language, see:

http://www.stn-international.de/inpadocdb_ls.html

Example for Legal Status Display in German

=> **FIL INPADOCDB**

=> **S DE10164866/PN**

=> **D BIB LSO**

```
AN      53298503 INPADOCDB ED 20070614 EW 200724 UP 20111007 UW 201140
TI      Abgabevorrichtung zur Abgabe von Wirkstofffluiden in die
        Spuelfluessigkeit in einem Toilettenbecken.
IN      BUTTER-JENTSCH, RALPH; ....
PA      HENKEL KGAA
PI      DE 10164866          B4 20070614
.....
LEGAL STATUS
AN      53298503 INPADOCDB
.....
20040923 DEQ172          AUSGESCHIEDEN ODER ABGETEILT VON (NACHTRAG):
                        DE 10113036          P
                        .....20110811
20040930 DE8110          + EINGANG VON PRUEFUNGSANTRAEGEN PAR. 44
EXA Examination, Search Report
                        .....20070705
20070614 DEAC          AUSSCHIEDUNG AUS
                        DE 10113036          P
                        .....20070614
20071206 DE8364          + EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH
                        ERHOBEN WURDE
                        .....20071206
20080605 DE8310          - KLAGE AUF ERKLAERUNG DER NICHTIGKEIT ERHOBEN
NIF Lapses, Expiries, Withdrawals, Refusals
                        .....20080605
20080724 DE8327          AENDERUNG IN PERSON, NAMEN ODER WOHNORT DES
                        PATENTINHABERS
                        HENKEL AG & CO. KGAA, 40589 DUESSELDORF, DE
CHG Change of Owner, Inventor, Applicant
                        .....20080724
20090108 DE8313          + ANTRAG AUF ERKENNUNG DER NICHTIGKEIT
                        ZURUECKGEWIESEN/-GEZOGEN
REI Reinstatement or Restoration
                        .....20090108
```

6 Legal Status Data from Japan available

The INPADOC legal status collection has been significantly enhanced with the addition of Japanese legal status data for Japanese patents and utility models. These data are currently available from July 2008 (3/2013) onwards and backfile data are continuously being loaded back to 2003.

INPADOC comprises about 90 selected legal status events for Japanese documents, including

- pre-grant events (JPA-codes)
- renewal fee payment (JPPAY code)
- registration information (JPR-codes, JPS-codes)

Trial information (JPT-codes) about appeals, oppositions and invalidations is not yet available.

Legal Status Codes available for Japan (48/2012)

JPA01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)
JPA02	DECISION OF REFUSAL
JPA045	WRITTEN MEASURE OF DISMISSAL OF APPLICATION
JPA072	DISMISSAL OF PROCEDURE
JPA131	NOTIFICATION OF REASONS FOR REFUSAL
JPA256	WRITTEN NOTIFICATION OF CO-PENDING APPLICATION FILED ON THE SAME DATE BY DIFFERENT APPLICANTS
JPA25B	WRITTEN NOTIFICATION OF IMPOSSIBILITY TO EXAMINE BECAUSE OF NO REQUEST FOR PRECEDENT APPLICATION
JPA313	FINAL DECISION OF REJECTION WITHOUT A DISSENTING RESPONSE FROM THE APPLICANT
JPA521	WRITTEN AMENDMENT
JPA524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)
JPA529	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 34 (PCT)
JPA59	WRITTEN PLEA
JPA601	WRITTEN REQUEST FOR EXTENSION OF TIME
JPA602	WRITTEN PERMISSION OF EXTENSION OF TIME
JPA61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)
JPA621	WRITTEN REQUEST FOR APPLICATION EXAMINATION
JPA623	REGISTRABILITY REPORT
JPA624	REGISTRABILITY REPORT (OTHER PERSON)
JPA625	WRITTEN REQUEST FOR APPLICATION EXAMINATION (BY OTHER PERSON)
JPA711	NOTIFICATION OF CHANGE IN APPLICANT
JPA72	NOTIFICATION OF CHANGE IN NAME OF APPLICANT
JPA761	WRITTEN WITHDRAWAL OF APPLICATION
JPA762	WRITTEN ABANDONMENT OF APPLICATION
JPA80	WRITTEN REQUEST TO APPLY EXCEPTIONS TO LACK OF NOVELTY OF INVENTION
JPA87	EXPLANATION OF CIRCUMSTANCES CONCERNING PREFERENTIAL EXAMINATION
JPA871	EXPLANATION OF CIRCUMSTANCES CONCERNING ACCELERATED EXAMINATION
JPA911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)
JPA912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)
JPA975	REPORT ON ACCELERATED EXAMINATION
JPA977	REPORT ON RETRIEVAL
JPAA64	NOTIFICATION OF INVALIDATION OF CLAIM OF INTERNAL PRIORITY (WITH TERM)
JPAA91	NOTIFICATION OF REVOCATION BY EX OFFICIO
JPAA92	NOTIFICATION OF INVALIDATION
JPAX71	INTERRUPTION
JPAX72	REMOVAL OF INTERRUPTION
JPPAY	RENEWAL FEE PAYMENT
JPR150	CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY MODEL
JPR153	GRANT OF PATENT TERM EXTENSION
JPR154	CERTIFICATE OF PATENT OR UTILITY MODEL (REPUBLICATION)
JPR155	NOTIFICATION BEFORE DISPOSITION OF DECLINING OF APPLICATION
JPR157	CERTIFICATE OF PATENT OR UTILITY MODEL (CORRECTION)
JPR230	WRITTEN CORRECTION (DELETION OF CLAIMS)
JPR231	WRITTEN CORRECTION (DESCRIPTIONS, ETC.)

JPR255 NOTIFICATION OF EXCLUSION FROM APPLICATION
JPR350 WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER
JPR360 WRITTEN NOTIFICATION FOR DECLINING OF TRANSFER OF RIGHTS
JPR370 WRITTEN MEASURE OF DECLINING OF TRANSFER PROCEDURE
JPR371 TRANSFER WITHDRAWN
JPRD01 NOTIFICATION OF CHANGE OF ATTORNEY
JPRD02 NOTIFICATION OF ACCEPTANCE OF POWER OF ATTORNEY
JPRD03 NOTIFICATION OF APPOINTMENT OF POWER OF ATTORNEY
JPRD04 NOTIFICATION OF RESIGNATION OF POWER OF ATTORNEY
JPRD05 NOTIFICATION OF REVOCATION OF POWER OF ATTORNEY
JPRD07 NOTIFICATION OF EXTINGUISHMENT OF POWER OF ATTORNEY
JPRD12 NOTIFICATION OF ACCEPTANCE OF POWER OF SUB ATTORNEY
JPRD13 NOTIFICATION OF APPOINTMENT OF POWER OF SUB ATTORNEY
JPRD14 NOTIFICATION OF RESIGNATION OF POWER OF SUB ATTORNEY
JPRD15 NOTIFICATION OF REVOCATION OF POWER OF SUB ATTORNEY
JPRD16 NOTIFICATION OF CHANGE OF POWER OF SUB ATTORNEY
JPRD17 NOTIFICATION OF EXTINGUISHMENT OF POWER OF SUB ATTORNEY
JPRD99 WRITTEN REQUEST FOR REGISTRATION OF RESTORE
JPRG99 WRITTEN REQUEST FOR PROVISIONAL REGISTRATION
JPS111 REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP
JPS131 REQUEST FOR TRUST REGISTRATION OF TRANSFER OF RIGHT
JPS201 REQUEST FOR REGISTRATION OF EXCLUSIVE LICENCE
JPS202 REQUEST FOR REGISTRATION OF NON-EXCLUSIVE LICENCE
JPS211 WRITTEN REQUEST FOR REGISTRATION OF TRANSFER OF EXCLUSIVE LICENSE
JPS212 WRITTEN REQUEST FOR REGISTRATION OF TRANSFER OF NON-EXCLUSIVE LICENSE
JPS221 WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF EXCLUSIVE LICENSE
JPS222 WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NON-EXCLUSIVE LICENSE
JPS303 WRITTEN REQUEST FOR REGISTRATION OF PLEDGE OR CHANGE OF PLEDGE
JPS321 WRITTEN REQUEST FOR REGISTRATION OF CHANGE IN PLEDGE AGREEMENT
JPS343 WRITTEN REQUEST FOR REGISTRATION OF ROOT PLEDGE OR CHANGE OF ROOT PLEDGE
JPS531 WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF DOMICILE
JPS533 WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME
JPS534 WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NATIONALITY
JPS631 WRITTEN REQUEST FOR REGISTRATION OF RECLAMATION OF DOMICILE
JPS633 WRITTEN REQUEST FOR REGISTRATION OF RECLAMATION OF NAME
JPS634 WRITTEN REQUEST FOR REGISTRATION OF RECLAMATION OF NATIONALITY
JPS801 WRITTEN REQUEST FOR REGISTRATION OF ABANDONMENT OF RIGHT
JPS802 WRITTEN REQUEST FOR REGISTRATION OF PARTIAL ABANDONMENT OF RIGHT
JPS803 WRITTEN REQUEST FOR REGISTRATION OF CANCELLATION OF PROVISIONAL REGISTRATION
JPS804 WRITTEN REQUEST FOR REGISTRATION OF CANCELLATION OF EXCLUSIVE LICENSE
JPS805 WRITTEN REQUEST FOR REGISTRATION OF CANCELLATION OF NON-EXCLUSIVE LICENSE
JPSG99 WRITTEN REQUEST FOR REGISTRATION OF RESTORE
JPSZ02 WRITTEN REQUEST FOR TRUST REGISTRATION
JPSZ03 WRITTEN REQUEST FOR CANCELLATION OF TRUST REGISTRATION
JPTRDD DECISION OF GRANT OR REJECTION WRITTEN

7 Legal Status from Peru available

Legal status information from Peru is now available from January 2007 onwards. Peruvian legal status data are provided for more than 6000 applications up to May 2012, current data will follow soon on a monthly basis. PCT entry into national phase data are not available for Peru.

Legal Status Codes available for Peru (3/2013)

PEFA ABANDONMENT OR WITHDRAWAL
PEFC REFUSAL
PEFD APPLICATION DECLARED VOID OR LAPSED
PEFG GRANT, REGISTRATION
PEFX VOLUNTARY WITHDRAWAL

8 Non-Patent Literature Citations including DOI-Links

Non-patent literature citations are available for 4,2 million patent applications, including more than 310.000 applications with links to Internet references. These Internet links comprise more than 65.000 Digital Object Identifier (DOI) links, which have been enhanced and now directly take you to the publishers full-text portals.

Display Example of NPL-citations of WO2012156380 including DOI-Links

[=> FIL INPADOCDB](#)

[=> D L I T I P A P I R E](#)

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L1 ANSWER 1 OF 1 INPADOCDB COPYRIGHT 2013 EPO/FIZ KA on STN
TI METHOD FOR TREATMENT OF ADVANCED SOLID TUMORS.
PROCEDE POUR LE TRAITEMENT DE TUMEURS SOLIDES AVANCEES.
PA BOEHRINGER INGELHEIM INTERNATIONAL GMBH; TAUBE, TILLMANN; MUNZERT, GERD
MICHAEL; RUDOLPH, DOROTHEA
PI WO 2012156380 A1 20121122
REP WO 2006018182 A1 20060223 (SEA, pat, Cat: Y)
BAUM ANKE, AT; BOEHRINGER INGELHEIM INT, DE; BOEHRINGER INGELHEIM
PHARMA, DE; MUNZERT GERD, DE; STEEGMAIER MARTIN, AT
WO 2007090844 A1 20070816 (SEA, pat, Cat: Y)
BOEHRINGER INGELHEIM INT, DE; BOEHRINGER INGELHEIM PHARMA, DE; GRAUERT
MATTHIAS, DE; LINZ GUENTER, DE; SCHMID ROLF, DE; SIEGER PETER, DE
WO 2004076454 A1 20040910 (APP, pat)
BAUM ANKE, AT; BOEHRINGER INGELHEIM PHARMA, DE; BRANDL TRIXI, DE;
BREITFELDER STEFFEN, DE; COLBATZKY FLORIAN, DE; EICKMEIER CHRISTIAN,
DE; GRAUERT MATTHIAS, DE; HOFFMANN MATTHIAS, DE; QUANT JENS JUERGEN,
AT; SCHNAPP GISELA, DE; SOLCA FLAVIO, AT; STEEGMAIER MARTIN, AT
WO 2007090844 A1 20070816 (APP, pat)
BOEHRINGER INGELHEIM INT, DE; BOEHRINGER INGELHEIM PHARMA, DE; GRAUERT
MATTHIAS, DE; LINZ GUENTER, DE; SCHMID ROLF, DE; SIEGER PETER, DE
WO 2006018221 A1 20060223 (APP, pat)
BOEHRINGER INGELHEIM INT, DE; BOEHRINGER INGELHEIM PHARMA, DE; MOHR
DETLEF, DE; TRAUlsen FRIDTJOF, DE; VEIT CLAUS, DE
REXP XP002677827 (SEA, Cat: Y)
XP025534098 (SEA, Cat: I)
XP026658030 (SEA, Cat: Y)
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XP009146411 (SEA, Cat: Y)

XP009160318 (SEA, Cat: Y)

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(3) DE MATOS BARBOSA ET AL: "A methodology for finding optimal dosage levels in multi-drug treatment interactions", COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol. 43, no. 3-4, 1 June 1994 (1994-06-01) , pages 239-245, XP026658030, ELSEVIER, AMSTERDAM, NL ISSN: 0169-2607, DOI: [http://dx.doi.org/10.1016/0169-2607\(94\)90075-2](http://dx.doi.org/10.1016/0169-2607(94)90075-2) [retrieved on 1994-06-01] (SEA, Cat: Y)

(4) DONOVAN D M ET AL: "Designer antimicrobials: Peptidoglycan hydrolase module shuffling", ABSTRACTS OF THE GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, vol. 106, 1 January 2006 (2006-01-01), page 368, XP009146411, THE SOCIETY FOR MICROBIOLOGY, WASHINGTON DC, USA (SEA, Cat: Y)

(5) CANAL P ET AL: "Practical aspects of drug resistance in cancer chemotherapy.", DRUG RESISTANCE UPDATE, vol. 10, no. 1, 1 January 2007 (2007-01-01), pages 1019-1038, XP009160318, ELSEVIER, AMSTERDAM, NL ISSN: 1573-5024, DOI: <http://dx.doi.org/10.1016/j.drup.2007.01.001> [retrieved on 2012-06-15] (SEA, Cat: Y)

REC 10. THERE ARE 10 CITED REFERENCES IN THIS RECORD.

The screenshot shows a web browser window displaying a ScienceDirect article. The page title is "A methodology for finding optimal dosage levels in multi-drug treatment interactions" by M. de Matos Barbosa. The article is from the journal "Computer Methods and Programs in Biomedicine", Volume 43, Issues 3-4, June 1994, Pages 239-245. The page includes a "View full text" button and a "Purchase \$31.50" button. The abstract text is visible, starting with "The aim of this paper is to demonstrate a methodology for finding optimal dosage levels in multi-drug treatment interactions and, at the same time, to analyse the synergetic effect which may occur with the combination of drugs." The page also shows navigation links like "Home", "Publications", "Search", and "My settings".