

INPADOC/Family and Legal Status

ONTAP® INPADOC/Family and Legal Status (File 253)

FILE DESCRIPTION

The **INPADOC/Family and Legal Status** Database (File 345), is produced by the European Patent Office (EPO) and describes patents issued by 98 countries and patenting organizations. The International Patent Documentation Center (INPADOC) was formed in 1972 with the support of the World Intellectual Property Organization (WIPO) to provide a centralized bibliographic source for patent documents. INPADOC is now part of the European Patent Documentation System operated by the European Patent Office (EPO).

The DIALOG version of the INPADOC database is unique in that it brings together equivalent patents that share common priorities for a particular invention in a single family record. The 36.3 million patent family records contain information on over 65 million patents and 44 million legal status actions. The newly reloaded version of Inpadoc also includes abstracts and search reports (cited patents and cited literature references) from key patenting offices such as EPO, WIPO, Japan, and the United States. Starting with week 200816, EPO's simple families and IDs, and a representative English abstract, if provided, are also available for browsing.

An Inpadoc patent family record typically contains several kinds of data: the patent table, bibliographic data for each patent, and legal status actions if applicable. The patent table provides an overview of the family members and includes patent country, number, kind and date for each patent in the family, its corresponding local application number and date, and the week in which the patent was originally added to the database. Family priorities contain the application country, number, kind and date.

The bibliographic data consists of patent title, generally available in one or more languages, patent assignees and inventors, International Patent Classification (IPC) codes including the recent IPCR/8 reclassification, European Classification (ECLA) codes, and national classification codes such as Japanese FI terms and F terms, and US class codes. For European and PCT patents, designated states are also provided.

Legal status actions are provided for 47 countries and include the patent number, the gazette date announcing the action, the legal status code, the equivalent text description, and the week in which the action was added to the database.

File 253 is available for **ONLine Training And Practice**.

SUBJECT COVERAGE

All areas of technology patented in the participating countries are included in the database. Participating countries are listed on page 2 of the Bluesheet.

TIPS

BEGIN 345

for comprehensive coverage of international patent data

USE PN=

to see all related patents in a single family record

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SELECT PN=US 5000000
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USE MAP PN TEMP

to capture all patent numbers in a family for cross-file searching

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MAP PN TEMP
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USE FORMAT 39

to display abstracts and search reports together with patent family data

USE FORMAT 33

to view Dialog families and EPO simple families

USE COUNTRY CODES AS DISPLAY FORMATS

to display patent family information from specific countries

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TYPE S1/US,DE/1-10
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USE SPECIAL ALERT FORMATS

use formats 15 or 16 to view a summary of additions and changes since the last update

DIALOG FILE DATA

Inclusive Dates: 1850 to the present (File 345)
Week 200640 (File 253)

Update Frequency: Closed (File 253)
Weekly (File 345)

File Size:

36.3 million family records as of July 2009 (File 345)
83,000 family records (File 253)

CONTACT

INPADOC is produced by the European Patent Office. Questions concerning file content should be directed to:

European Patent Office	Phone: +(431) 52126 4051
Information Service	Fax: +(431) 52126 3591
Renweg 12	E-Mail: inpadoc@epo.org
Postfach 90	
Vienna A-1031	
Austria	

Data is provided by cooperating patent offices in 98 countries, including the EPO, and Patent Cooperation Treaty (WIPO) members as shown in the table below. Legal Status information is provided for 47 countries. Countries for which legal status is available are flagged with an asterisk.

Additional legal status information pertaining to entry into the national phase from a PCT filing is provided in WO legal status for Bulgaria, Georgia, Greece, Japan, Kenya, Korea, Latvia, Russian Federation, Slovak Republic, and Uzbekistan.

- African Intellectual Property Organization (OAPI) - OA
- African Regional Intellectual Property Organization (ARIPO) - AP
- Algeria - DZ
- Argentina - AR
- Australia* - AU
- Austria* - AT
- Belgium* - BE
- Bosnia & Herzegovina - BA
- Brazil* - BR
- Bulgaria - BG
- Byelarus - BY
- Canada* - CA
- Chile* - CL
- China* - CN
- Colombia* - CO
- Costa Rica - CR
- Croatia - HR
- Cuba* - CU
- Cyprus - CY
- Czech Republic* - CZ
- Czechoslovakia* - CS
- Denmark* - DK
- Dominican Republic - DO
- Ecuador - EC
- Egypt - EG
- El Salvador - SV
- Estonia* - EE
- Eurasian Patent Office* - EA
- European Patent Office* - EP
- Finland* - FI
- France* - FR
- Georgia - GE
- German Democratic Republic* - DD
- Germany, Federal Republic* - DE
- Great Britain* - GB
- Greece* - GR
- Guatemala - GT
- Gulf Cooperative Council of Arab States - GC
- Hague Agreement - XH
- Honduras - HN
- Hong Kong* - HK
- Hungary* - HU
- Iceland - IS
- India - IN
- Indonesia - ID
- Ireland* - IE
- Israel* - IL
- Italy* - IT

SOURCES (continued)

- Japan - JP

- Kazakhstan - KZ
- Kenya - KE
- Korea, Republic - KR
- Latvia - LV
- Lithuania* - LT
- Luxembourg* - LU
- Malawi - MW
- Malaysia - MY
- Malta - MT
- Mexico - MX
- Moldova* - MD
- Monaco* - MC
- Mongolia - MN
- Morocco - MA
- Netherlands* - NL
- New Zealand* - NZ
- Nicaragua - NI
- Norway* - NO
- Panama - PA
- Peru - PE
- Philippines* - PH
- Poland* - PL
- Portugal* - PT
- Romania* - RO
- Russian Federation* - RU
- San Marino - SM
- Serbia - RS
- Singapore - SG
- Slovak Republic* - SK
- Slovenia* - SI
- South Africa - ZA
- Spain* - ES
- Sweden* - SE
- Switzerland* - CH
- Taiwan* - TW
- Tajikistan - TJ
- Trinidad and Tobago - TT
- Turkey - TR
- Ukraine - UA
- Union of the Soviet Socialist Republics (USSR)* - SU
- United Kingdom - GB
- United States of America* - US
- Uruguay - UY
- Uzbekistan - UZ
- Viet Nam, Socialist Republic - VN
- World Intellectual Property Organization (PCT)* - WO
- Yugoslavia - YU
- Zambia - ZM
- Zimbabwe - ZW

SAMPLE RECORD (FORMAT 39)

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat.
(c) 2008 European Patent Office. All rts. reserv.

34974985 Family ID: 4974986
<No. of Patents: 3> <No. of Countries: 3>
<No. of Legal Status: 9> _

NP=, NC=
NS=
PC=, PN=, PD=, /PB
/TI, LT=

Patent Basic (No,Kind,Date): CA 2281269 A1 20000301
A METHOD AND APPARATUS FOR PREDICTING A DISTILLATION TEMPERATURE RANGE OF
A HYDROCARBON-CONTAINING COMPOUND (English)
METHODE ET APPAREIL PERMETTANT DE PREVOIR UN INTERVALLE DE TEMPERATURE DE
DISTILLATION D'UN COMPOSE CONTENANT UN OU DES HYDROCARBURES (French)

PA=, CO=
AU=, IV=
RT=

Patent Assignee: A C ANALYTICAL CONTROLS HOLDIN (NL)
Author (Inventor): SPIEKSMAL WALTER (NL)
Record Type: Legal Status; Abstract; Cited Refs

Patent Family:

Patent No	Kd Date	Applic No	Kd Date	Wk Added
CA 2281269	A1 20000301	CA 2281269	A 19990831	200408 (B)
EP 984277	A1 20000308	EP 1998202910	A 19980901	200010
US 6711532	B1 20040323	US 2000711180	A 20001113	200413

Priority Data (No,Kind,Date):
EP 1998202910 A 19980901
US 1999387592 A 19990831
US 2000528599 A 20000320
US 2000711180 A 20001113

PC=, PN=, PD=, PY=
AC=, AN=, AD=, AY=, WA=

/PR, AC=, AN=, AD=, AY=, PR=

***** CANADA (CA) *****
CANADA (CA) PATENT(S):

Patent (No,Kind,Date): CA 2281269 A1 20000301
A METHOD AND APPARATUS FOR PREDICTING A DISTILLATION TEMPERATURE RANGE
OF A HYDROCARBON-CONTAINING COMPOUND (English)
METHODE ET APPAREIL PERMETTANT DE PREVOIR UN INTERVALLE DE TEMPERATURE
DE DISTILLATION D'UN COMPOSE CONTENANT UN OU DES HYDROCARBURES
(French)

PA=, CO=
AU=, IV=
/PR, AC=, AN=, AD=, AY=, PR=
AC=, AN=, AD=, AY=
EC=
IC=

Patent Assignee: A C ANALYTICAL CONTROLS HOLDIN (NL)
Author (Inventor): SPIEKSMAL WALTER (NL)
Priority (No,Kind,Date): EP 1998202910 A 19980901
Applic (No,Kind,Date): CA 2281269 A 19990831
ECLA: G01N-030/86; S01N-030:60M; S01N-033:28
IPC + Level Value Position Status Version Action Source Office
v. 6 main: G01N-033/22
v. 6 : G01N-030/86
v. 6 : G01N-033/28
v. 8 adv : G01N-0030/86 A I R 20060101 20051008 M EP
v. 8 adv : G01N-0033/28 A N R 20060101 20051008 M EP
v. 8 core: G01N-0030/00 C I R 20060101 20051008 M EP
v. 8 core: G01N-0033/26 C N R 20060101 20051008 M EP
Date of Availability: 20000301 Unexamined printed without grant
Language of Document: English; French
Update Week: Backfile (First Week Added: 200408)

IC=, ICA=, IA=
IC=, ICC=, IA=

LA=
WA=

/AB

CANADA (CA) ABSTRACT(S):
CA 2281269 A1 20000301 (English)
A method and apparatus for predicting a distillation temperature range
of a hydrocarbon-containing compound comprising gasoline and/or
naphta. The said hydrocarbon-containing compound is analyzed and
specific parameters of interest are determined. The values of said
determined parameters of interest are processed in a predetermined
mathematical distillation model. From said model the distillation
temperature range of said hydrocarbon-containing compound is
calculated and data representing the result of said calculation are
produced.

CANADA (CA) LEGAL STATUS:
Legal Status (Patent No,Kind,Gazette Date,Code,Text):
CA 2281269 A1 20050831 CA FZDE (-) DEAD
Update Week: 200640

PN=, LD=, LY=, LC=, LS=
WL=

***** EUROPEAN PATENT OFFICE (EP) ***** |
EUROPEAN PATENT OFFICE (EP) PATENT(S):
Patent (No,Kind,Date): EP 984277 A1 20000308
A method and apparatus for predicting a distillation temperature range
of a hydrocarbon-containing compound (English)
Procede et dispositif de prognose d'une gamme de temperature
distillatrice d'un composant contenant des hydrocarbures (French)
Verfahren und Vorrichtung zur Vorhersage eines
Distillationstemperaturbereichs einer Kohlenwasserstoffe enthaltenden
Verbindung (German)
Patent Assignee: AC ANALYTICAL CONTROLS HOLDING (NL)
Author (Inventor): AC ANALYTICAL CONTROLS HOLDING (NL)
Priority (No,Kind,Date): EP 1998202910 A 19980901

SAMPLE RECORD (FORMAT 39) (cont'd)

DS=

Applic (No,Kind,Date): EP 1998202910 A 19980901
 Designated States:
 C: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
 ECLA: G01N-030/86; S01N-030:60M; S01N-033:28
 IPC + Level Value Position Status Version Action Source Office
 v. 7 main: G01N-030/86
 v. 8 adv : G01N-0030/86 A I R 20060101 20051008 M EP
 v. 8 adv : G01N-0033/28 A N R 20060101 20051008 M EP
 v. 8 core: G01N-0030/00 C I R 20060101 20051008 M EP
 v. 8 core: G01N-0033/26 C N R 20060101 20051008 M EP
 Date of Availability: 20000308 Examined printed without grant
 Language of Document: English; French; German
 Update Week: Backfile (First Week Added: 200010)

EUROPEAN PATENT OFFICE (EP) ABSTRACT(S):

EP 984277 A1 20000308 (English)
 A method and apparatus for predicting a distillation temperature range of a hydrocarbon-containing compound comprising gasoline and/or naphta. The said hydrocarbon-containing compound is analyzed and specific parameters of interest are determined. The values of said determined parameters of interest are processed in a predetermined mathematical distillation model. From said model the distillation temperature range of said hydrocarbon-containing compound is calculated and data representing the result of said calculation are produced.

EUROPEAN PATENT OFFICE (EP) LEGAL STATUS:

Legal Status (Patent No,Kind,Gazette Date,Code,Text):
 EP 984277 A1 20000308 EP AK (+) DESIGNATED CONTRACTING STATES:
 (BENANNTE VERTRAGSSTAATEN)
 Designated States: AT BE CH CY DE DK ES FI
 FR GB GR IE IT LI LU MC NL PT SE
 Last Revised by EPO: 20030101
 Update Week: LSEP01

EP 984277 A1 20000308 EP AX (+) EXTENSION OF THE EUROPEAN PATENT
 TO (ERSTRECKUNG DES EUROPÄISCHEN PATENTS
 AUF)
 Last Revised by EPO: 20030101
 Notes: AL;LT;LV;MK;RO;SI
 Update Week: LSEP01

(...)

EUROPEAN PATENT OFFICE (EP) CITED REFERENCES:

EP 984277 A1 20000308 CITED PATENTS:

CT=

SEA A EP 0833155 A1
 SEA A US 4971915 A
 SEA A US 4757023 A

EP 984277 A1 20000308 REFERENCES:

RF=

SEA XP XP002100180 W. SPIEKSM: "Prediction of ASTM Method D86
 Distillation of Gasolines and Naphtas according to the
 Fugacity-Filmmodel from Gas Chromatographic Detailed Hydrocarbon
 Analysis" JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol. 36, no. 9, 1
 September 1998, pages 467-475, XP002100180 ISSN: 0021-9665

***** UNITED STATES OF AMERICA (US) *****

UNITED STATES OF AMERICA (US) PATENT(S):

Patent (No,Kind,Date): US 6711532 B1 20040323
 Method and apparatus for predicting a distillation temperature range of
 a hydrocarbon-containing compound (English)
 Patent Assignee: A C ANALYTICAL CONTROLS HOLDIN (NL)
 Author (Inventor): SPIEKSM WALTER (NL)
 Priority (No,Kind,Date): EP 1998202910 A 19980901; US 1999387592
 A 19990831; US 2000528599 A 20000320; US 2000711180 A
 20001113 *

Applic (No,Kind,Date): US 2000711180 A 20001113
 National Class: 703 12; X210664; X703 11
 ECLA: G01N-030/86; S01N-030:60M; S01N-033:28
 IPC + Level Value Position Status Version Action Source Office
 v. 7 main: G06G-007/48
 v. 7 : B01D-015/00
 v. 7 : G06G-007/58
 v. 8 adv : G01N-0030/86 A I R 20060101 20051008 M EP
 v. 8 adv : G01N-0033/28 A N R 20060101 20051008 M EP
 v. 8 core: G01N-0030/00 C I R 20060101 20051008 M EP
 v. 8 core: G01N-0033/26 C N R 20060101 20051008 M EP
 Date of Availability: 20040323 Printed with grant
 Language of Document: English
 Update Week: Backfile (First Week Added: 200413)

UNITED STATES OF AMERICA (US) ABSTRACT(S):

US 6711532 B1 20040323 (English)

SAMPLE RECORD (FORMAT 39) (cont'd)

RA=, LS=

A method and apparatus for predicting a distillation temperature range of a hydrocarbon-containing compound comprising gasoline and/or naphtha. The said hydrocarbon-containing compound is analyzed and specific parameters of interest are determined. The values of said determined parameters of interest are processed in a predetermined mathematical distillation model. From said model the distillation temperature range of said hydrocarbon-containing compound is calculated and data representing the result of said calculation are produced.

UNITED STATES OF AMERICA (US) LEGAL STATUS:
 Legal Status (Patent No,Kind,Gazette Date,Code,Text):
 US 6711532 B1 20010406 US AS ASSIGNMENT
 Assignee(s): A.C. ANALYTICAL CONTROLS
 HOLDING B.V. INNSBRUCKWEG
 Effective Date: 20010103
 Last Revised by EPO: 20060126
 Notes: ASSIGNMENT OF ASSIGNORS
 INTEREST;ASSIGNOR:SPIEKSM, WALTER
 /AR;REEL/FRAME:011678/0794
 Update Week: LSUS01

US 6711532 B1 20041026 US CC CERTIFICATE OF CORRECTION
 Last Revised by EPO: 20041118
 Update Week: LSUS01

US 6711532 B1 20050118 US CC CERTIFICATE OF CORRECTION
 Last Revised by EPO: 20050217
 Update Week: LSUS01

UNITED STATES OF AMERICA (US) CITED REFERENCES:
 US 6711532 B1 20040323 CITED PATENTS:
 APP US 4757023 A
 APP US 4971915 A
 APP EP 0833155 A1

US 6711532 B1 20040323 REFERENCES:
 APP Author: Walter Spieksma; Title: "Prediction of ASTM Method D86
 Distillation of Gasolines and Naphthas according to the
 Fugacity-Filmmodel from Gas Chromatographic Detailed Hydrocarbon
 Analysis" 36(9): 467-475; Date of Publication: Sep. 1998; Place of
 Publication: Unknown.

FAMILY TABLES RECORD (FORMAT 33)

NP=, NC=

DIALOG(R)File 345: Inpadoc/Fam.& Legal Stat
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65936897 Family ID: 35936918
 <No. of Patents: 20> <No. of Countries: 9>
 <No. of Legal Status: 17>

PC=, PN=, PD=, /PB

Patent Basic (No,Kind,Date): CA 2564709 A1 20070427

/TI, LT=

FLUID PRESSURE SENSING CHAMBER (English)
 CHAMBRE DE DETECTION DE PRESSION DE FLUIDES (French)

PA=, CO=
 AU=, IV=
 RT=

Patent Assignee: ALCON INC (CH)
 Author (Inventor): SORENSEN GARY P (US); MORGAN MICHAEL D (US); GORDON
 Record Type: Legal Status; Abstract; Cited Refs

PC=, PN=, PD=, PY=
 AC=, AN=, AD=, AY=, WA=

Patent Family:

Patent No	Kd Date	Applic No	Kd Date	Wk Added
AR 58498	A1 20080206	AR P20060104707	A 20061027	200809
AU 2006233191	A1 20070517	AU 2006233191	A 20061025	200723
AU 2006233192	A1 20070517	AU 2006233192	A 20061025	200723
BR PI0604358	A 20070821	BR PI604358	A 20061027	200735
BR PI0604359	A 20070821	BR PI604359	A 20061027	200735
CA 2564709	A1 20070427	CA 2564709	A 20061020	200719 (B)
CA 2564730	A1 20070427	CA 2564730	A 20061020	200719
CN 1954788	A 20070502	CN 200610142846	A 20061027	200723
CN 1954789	A 20070502	CN 200610142847	A 20061027	200723
EP 1779878	A1 20070502	EP 2006122959	A 20061025	200718
EP 1779879	A1 20070502	EP 2006122960	A 20061025	200718
EP 1779878	B1 20080416	EP 2006122959	A 20061025	200816
EP 1779879	B1 20080416	EP 2006122960	A 20061025	200816
JP 2007117741	A 20070517	JP 2006291308	A 20061026	200726
JP 2007117744	A 20070517	JP 2006291600	A 20061026	200726
KR 2007046014	A 20070502	KR 2006105319	A 20061027	200731
US 20070095143	A1 20070503	US 2005260596	A 20051027	200720
US 20070098578	A1 20070503	US 2005260595	A 20051027	200720
US 20070098579	A1 20070503	US 2006543715	A 20061005	200720

FAMILY TABLES RECORD (FORMAT 33) (cont'd)

/PR, AC=, AN=, AD=, AY=, PR=

Priority Data (No,Kind,Date):
 US 2005260595 A 20051027
 US 2005260596 A 20051027
 US 2006543715 A 20061005

EF= EPO Simple family: 37507616 <No. of Patents: 9>
 Patent No Kd Date
 AU 2006233192 A1 20070517
 BR PI0604359 A 20070821
 CA 2564709 A1 20070427
 CN 1954789 A 20070502
 EP 1779879 A1 20070502
 EP 1779879 B1 20080416
 JP 2007117741 A 20070517
 KR 2007046014 A 20070502
 US 20070095143 A1 20070503

Representative Abstract: EP 1779879 A1 20070502 (English)
 A surgical cassette (200) is provided having a fluid pressure sensing chamber (210) with a tubing extension (240') extending through a void (230') in the chamber. The tubing contains at least one port (260') that fluidly communicate(s) with the pressure sensing chamber, being adapted to allow the purging of air from the chamber during initial priming of the cassette, but being sized so that air bubbles entering the tubing extension cannot easily flow into the chamber. The tubing extension further contains a reduced diameter portion (241) that creates a pressure differential upstream and downstream of a flow restrictor (242). The differential pressure creates flow through the chamber under high liquid flow and turbulent liquid flow events.

EF= EPO Simple family: 37508218 <No. of Patents: 10>
 Patent No Kd Date
 AR 58498 A1 20080206
 AU 2006233191 A1 20070517
 BR PI0604358 A 20070821
 CA 2564730 A1 20070427
 CN 1954788 A 20070502
 EP 1779878 A1 20070502
 EP 1779878 B1 20080416
 JP 2007117744 A 20070517
 KR 2007046013 A 20070502
 US 20070098578 A1 20070503

Representative Abstract: EP 1779878 A1 20070502 (English)
 A surgical cassette (200) is provided having a fluid pressure sensing chamber (210) with a tubing extension (240) extending through the chamber. The tubing contains at least one port (260) that fluidly communicate(s) with the pressure sensing chamber, being adapted to allow the purging of air from the chamber during initial priming of the cassette, but being sized so that air bubbles entering the tubing extension cannot easily flow into the chamber.

EPO Simple family: 37996533 <No. of Patents: 1>
 Patent No Kd Date
 US 20070098579 A1 20070503

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S AIRCRAFT
/AB	AB	Abstracts ^{1,2}	Word	S MATHEMATICAL(W)DISTILLATION/AB
/TI	TI	Title ^{1,2}	Word	S AIRCRAFT(1N)INSTALL?/TI

¹ All chemical names are indexed as complete words, e.g., CHLOROBENZENE, and chemically significant word segments, e.g., CHLORO and BENZENE. Words such as CHLOROBENZENE can be retrieved by either segment. Use /FW to restrict retrieval to a full word, e.g., S BENZENE/FW. Search locants, which indicate the position of chemical groups, as words, e.g., S 2(W)3.

² The results of title and abstract searches can be viewed using the display tags TI or AB - these provide a display of all titles or all abstracts with the search terms highlighted. KWIC can also be used as a display format to see the search terms in context. Note that highlighting of search terms in these fields is not provided in any of the predefined formats.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA= AC=	AA, AZ PI	DIALOG Accession Number Application Country and Kind ^{3,4,5}	Phrase Phrase	S AA=34974985 S AC=CA S AC=US B1 S AC=CA(S)AY=1999
AC=	PR	Priority Application Country and Kind ^{3,4,5}	Phrase	S AC=US/PR S AC=US A/PR
AD=	PI	Application Date ^{3,4,5}	Phrase	S AD=19950831
AD=	PR	Priority Application Date ^{3,4,5}	Phrase	S AD=20000320/PR
AM=	PI	Application Month ^{3,4,5}	Phrase	S AM=199508
AM=	PI	Priority Application Month ^{3,4,5}	Phrase	S AM=200003/PR
AN=	PI	Application Number ^{3,4,5}	Phrase	S AN=CA 2281269
AN=	PR	Priority Application Number ^{3,4,5}	Phrase	S AN=EP 1998202910/PR
AU=	IV	Author/Inventor ³	Word & Phrase	S AU=(SPIEK SMA (W) WALTER) S AU=SPIEK SMA WALTER?
AY=	PR	Priority Application Year ^{3,4,5}	Phrase	S AY=2000/PR
CL=	—	National Class	Phrase	S CL=C2C CAA BG S
CL=	C1	National Class (United States)	Phrase	S CL=703012000 S CL=703 12 S CL=210664000 S CL=X210664
CO=	—	Company Name ⁶	Phrase	S CO=A C ANALYTICAL?
CT=	CT,SR	Cited Patents ⁷	Phrase	S CT=US 4757023
DS=	—	Designated States	Phrase	S DS=DE
DT=	DT	Document Type	Phrase	S DT=PATENT
EF=	EF	EPO Simple Family ID ¹⁷	Phrase	S EF=37507616
—	FA	Patent Family Bibliographic Data		
FM=	FM	Family ID	Phrase	S FM=4974986
IA=	—	International Patent Class Attributes ⁹	Phrase	S IA=B S IA=R(S)IC=G01N-0033?28
IC=	IC	International Patent Class (All Versions) ^{8,9}	Phrase	S IC=G01N-0033/28 S IC=G01N-0033 S IC=G01N S IC=G01N-0033/28/RV S IC=G01N-030/86
ICA=	IC	International Patent Class - Advanced Classes ^{8,9}	Phrase	S ICA=G01N-0030/86 S ICA=G01N-0030 S ICA=G01N S ICA=G01N-0030/86(S)IA=EP
ICC=	IC	International Patent Class -Core Classes ^{8,9}	Phrase	S ICC=G01N--0030/00 S ICC=G01N-0030 S ICC=G01N S ICC=G01N(S)IA=I S ICC=G01N/RV
IV=	IV	Author/Inventor ³	Phrase	S AU=SPIEK SMA WALTER?
JC=	—	Japanese Classification (FI and F terms) ¹⁶	Phrase	S JC=B41J-003?04? S JC=B41J-003 S JC=4J039?EA42 S JC=4J039
LA=	LA	Language of Publication or Abstract	Word	S LA=GERMAN
LC=	LS	Legal Status Code ¹¹	Phrase	S LC=CA FZDE S LC=CA S LC=EP 17P(S)PN=EP 984277
LD=	LS	Legal Status Date	Phrase	S LD=20041026 S LD=20041026(S)LC=US CC
LM=	LS	Legal Status Month	Phrase	S LM=200410
LS=	LS	Legal Status Text ^{10,11}	Word	S LS=(ASSIGNOR?(W)INTEREST)
LT=	LA	Language of Title	Word	S LT=ENGLISH
LY=	LS	Legal Status Year	Phrase	S LY=2004
NC=	NC	Number of Countries	Phrase	S NC=3
NP=	NP	Number of Patents	Phrase	S NP=3
NS=	NS	Number of Legal Status Entries	Phrase	S NS=9
PA=	PA	Patent Assignee ³	Word & Phrase	S PA=(ANALYTICAL(W)CONTROLS) S PA=A C ANALYTICAL CONTROLS?
—	PB	Patent Basic		
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PD=	PI	Publication Date ^{3,5}	Phrase	S PD=20040323 S PD=20000301/PB

ADDITIONAL INDEXES (cont'd)

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PN=	PB	Patent Number (Basic) ^{3,5,12}	Phrase	S PN=CA 2281269/PB
PN=	PI	Patent Number ^{3,5,12,13}	Phrase	S PN=US 6711532
PR=	PR	Priority Application Number ^{4,5}	Phrase	S PR=US 1999387592
PY=	PI	Publication Year ^{3,5}	Phrase	S PY=2004 S PY=2000/PB
RA=	LS	Reassignment Name ⁶	Word & Phrase	S RA=(JUDE(W)MEDICAL) S RA=ST. JUDE MEDICAL?
RF=	SR	Cited Literature References (Non-Patent) ⁷	Word	S RF=(CHROMATOGRAPHIC(W)SCIENCE)
RT=	RT	Record Type/Field Availability ¹⁴	Phrase	S RT=CITED REFS S RT=NOBIBLIO
—	SR	Search Report ⁷		
UB=	UB	Update - Basic Patent ¹⁵	Phrase	S UB=9999
UD=	UD	Update ¹⁵	Phrase	S UD=9999
UE=	UE	Update - Equivalent Patents ¹⁵	Phrase	S UE=9999
UL=	UL	Update - Legal Status ¹⁵	Phrase	S UL=9999
WA=	PI	Week Bibliographic Data Added to Database ⁵	Phrase	S WA=200408 S WA=200408(S)PC=CA
WL=	LS	Week Legal Status Data Added to Database	Phrase	S WL=200640

³ Use the limit /PB to restrict search terms to the information contained in the patent basic, i.e., the first or earliest patent in the family.

⁴ To search priority applications, use PR= for priority application numbers, or apply /PR to restrict Application Country (AC=), Application Number (AN=) and Application Date (AD=) to priority fields only.

⁵ Use the S operator to link patent and national application data for a specific patent.

⁶ The Company Name field, CO= contains Patent Assignee (PA=) names and Reassignment (RA=) names for searching. Due to structural differences in the fields, RANK CO lists only patent assignee names. Reassignment names can also be searched with LS=.

⁷ The search report consists of Cited Patents, CT=, and Cited Literature References, RF=. The data searchable in these fields also includes the origin of the citation as a 3-letter code and the citation category as used by EPO and WIPO search reports. The origin of the citation code options include: SEA (originates from Search Report), APP (cited by Applicant), EXA (Revealed during examination phase), OPP (revealed during opposition phase), and 115 (Article 115 - observed by 3rd parties).

⁸ With the introduction of the Reformed International Patent Classification (IPCR/8) on January 1, 2006, the format of the IPC group has increased in length from 3 to 4 digits. For comprehensive retrieval, both forms of the classification codes should be searched, e.g., S IC=H04R-025/00 OR IC=H04R-0025/00 . Some records may contain IPCR/8 codes as well as earlier versions of IPC codes, indicating that an older patent has been reclassified.

⁹ Each IPCR/8 classification code is also assigned a series of attributes. These include classification level (A - Advanced, C - Core, S - Subclass), value (I - Inventive, N - Non-inventive), position (F - First, L - Later), status (B - Basic, R - Reclassified, V - Various, D - Deleted), version date, action date, source (H - Human, M - Machine, G - Generated), and assigning office. The classification attributes can be searched with the IA= prefix and can be linked to an IPCR/8 classification code (prefixes IC=, ICA=, ICC=) using the S operator and quotes around the classification code, e.g., S IA=F(S)IC="A61K-0031/198".

¹⁰ Legal Status Text, LS= is searchable in English only. Additional legal status notes may include assignee names and addresses, effective dates, reference countries, and reference patents.

¹¹ The list of countries for which legal status is provided is listed in the Sources section of the Bluesheet. Since not all records for that country will have legal status, use the /STATUS limit to restrict a search to records containing legal status data.

¹² MAPping of patent numbers using MAP PNPB captures just the basic patent in the family. MAP PN is used to capture all patents in a family for cross-file searching. The patent numbers for specific countries can also be MAPped, e.g. MAP PNU.S.

¹³ Country codes can be used to display selected countries within a family, e.g., TYPE S1/US,CA/ALL to view only US and CA patents if present in the record set. The following rates (September 2011) are charged for displaying one or more country families (whether or not the country is contained in the family): \$4.28 for one country, \$8.56 for two countries, and full price for three or more countries.

¹⁴ The Record Type (RT=) term identifies major data fields that might be present in the record, in addition to bibliographic data. The RT= index contains the following entries: Abstract, Cited Refs and Legal Status. If a record contains no bibliographic data, it is assigned the value RT=NOBIBLIO.

¹⁵ The latest additions to the family record can be displayed using Alerting formats 15 or 16 . Display codes UB, UE, and UL can also be used to display the latest additions to the family. Not available for File 253.

¹⁶ The Japanese classification consists of two types: FI terms are based on the IPC version 4 classification and may contain additional alphanumeric extensions. F terms or part of a matrix classification system developed in Japan - the more general part of an F term is called a theme, and is further qualified by one or more viewpoint codes. For precise searching, use the combined F term; for broader searches, use just the theme (the portion of the code preceding the slash).

¹⁷ Beginning with week 200816, new or changed bibliographic data also includes EPO simple families. Patents in a simple family contain identical priorities, so a family record in File 345 may contain multiple simple families. Use EF= to locate specific Simple Family IDs. EF can be used to display all simple families and representative English abstracts, if any, present in Inpadoc family records. Simple family data displays in formats 33, 35, and 39. Note that simple family data may be incomplete or absent in records which have not been updated since week 200816.

SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP MAP, HELP IDPAT online.

LIMIT	/ENG -- Family with at least one patent document in English /NONENG -- Family with no patent documents in English /PB -- Patent Basic /STATUS -- Legal Status Information /YYYY -- Publication Year	S IC=G01N/ENG S S12/NONENG S APPARATUS/PB S PN=CA 2281269/STATUS S S5/1987
SORT	AU, IV, NP, PA, PC, PD, PN, TI (Note: SORT operates only on the first member of the field in the Patent Basic.)	SORT S3/ALL/PD PRINT S2/5/ALL/PD
RANK	Additional fields that can be RANKed in this file include: ANPR (priority application numbers only), CTPN (Cited patents transformed to patent numbers), PNCT (patent numbers transformed to cited patents), PNPB (Patent Basic only).	RANK PA
MAP	AN, ANPR, AU, CL, CT, CTPN, EC, IC, IV, PA, PN, PNPB, PNCT; Also PNCC and ANCC where CC is a country code for CA, DE, EP, FR, GB, JP, RU, US, or WO	MAP ANPR TEMP S3
IDPAT	Identify patent duplicates and display all or selected patent groups.	IDPAT IDPAT S1 SHORT

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number.
2	--	Bibliographic Citation plus Abstract for Patent Basic.
3	Medium	Record Header, Patent Family and Priority Table. ^{18,19}
4	--	Format 3 plus Bibliographic and Legal Status Data, Abstracts and Cited References for the Countries EP, US and WO. ^{18,19}
5	--	Format 3 plus Bibliographic Data for all Family Members (excluding Legal Status Data). ^{18,19}
6	Short	Short Record Header, Patent Basic Title(s), Patent Number and Date, Record Type.
7	--	Format 3 plus All Legal Status Data. ^{18,19}
8	Free	Short Record Header, all uniqueTitles, IPCs (short form), and Publication Year.
9	Long	Format 3 plus Country-Specific Bibliographic and Legal Status Data ^{18,19}
15	--	Long Alerting Format: Short Record Header, Update Summary Table plus Detail of new or added Basic, Equivalent and Legal Status Data added in the Latest Update. ¹⁸
16	--	Short Alerting Format: Short Record Header plus Update Summary Table. ¹⁸
28	--	Short Record Header, Patent Basic Title, Record Type, and Publication Year.
33	--	Format 3 plus EPO Simple Families and Representative Abstracts. ^{18,19}
35	--	Format 5 plus EPO Simple Families, all Abstracts and Search Reports. ^{18,19}
39	Full	Format 9 plus EPO Simple Families, all Abstracts and Cited References. ^{18,19}
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

¹⁸ The Record Header in pre-defined formats contains the following data: Number of Patents, Number of Countries, Number of Legal Status entries, Patent Basic Country, Number, Kind and Date, Patent Basic Title(s), Assignee(s), Inventor(s), and Record Type. The short form of the Record Header typically omits Assignee and Inventor.

¹⁹ Caution: All display formats in File 345 that display the patent family table are charged the full record price. This also applies to the user-defined format PI for displaying the patent table.

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	User-defined formats may be specified using the display codes indicated in the Search Options tables. Individual country families can be displayed by specifying the country code. See the Additional Indexes for a list of country names and codes.	TYPE S3/TI,PN/1-5 TYPE S5/US/1
TAG	Output can be displayed with tags identifying each display field.	TYPE S2/5/1-5 TAG
DIRECT RECORD ACCESS	DIALOG Accession Number	TYPE 5554027/3 DISPLAY 5554027/TI,PA PRINT 5554027/39

FOR ONLINE HELP:

See HELP FIELDS 345 for searchable fields; HELP FORMAT 345 for output formats; HELP LIMIT 345 for limits; HELP RATES 345 for cost information; HELP SORT 345 for sorts.