

INPADOCDB (International Patent Documentation DataBase)

Subject Coverage	<ul style="list-style-type: none"> All areas of science and technology, i.e., all classes of the International Patent Classification 																				
File Type	Bibliographic																				
Features	<table border="0"> <tr> <td>Thesauri</td> <td colspan="3">Cooperative Patent Classification (/CPC) and International Patent Classification (/IPC)</td> </tr> <tr> <td>Alerts (SDIs)</td> <td colspan="3">Weekly or monthly (Weekly is the default)</td> </tr> <tr> <td>CAS Registry Number® Identifiers</td> <td><input type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Keep & Share</td> <td><input checked="" type="checkbox"/></td> <td>SLART</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input checked="" type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> </tr> </table>	Thesauri	Cooperative Patent Classification (/CPC) and International Patent Classification (/IPC)			Alerts (SDIs)	Weekly or monthly (Weekly is the default)			CAS Registry Number® Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	Learning Database	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>
Thesauri	Cooperative Patent Classification (/CPC) and International Patent Classification (/IPC)																				
Alerts (SDIs)	Weekly or monthly (Weekly is the default)																				
CAS Registry Number® Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>																		
Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>																		
Learning Database	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>																		
Record Content	<ul style="list-style-type: none"> Bibliographic and family data of patent documents, utility models, and design patents of 105 patent-issuing organizations including the European Patent Office (EPO) and the World Intellectual Property Organization (WIPO). Legal status data of 98 patent-issuing organizations (57 countries + from 41 countries of the national phases PCT/EP). Indexes are based on the patent application, where in INPAFAMB the indexes are based on the patent families. The accession number AN in INPADOCDB is the document number DN from INPAFAMB. Abstracts are provided for more than 66 million records with more than 58 million abstracts in English. Calculated expiration dates are provided for granted IP rights for 41 patent authorities except WO and ID. See HELP XPD for details. Note: The accession number can change due to corrections/updates of patent relevant numbers and codes. 																				
File Size	<p>More than 98.7 million records (applications) including patent families with about 125 million publications in more than 66 million international patent families from 1782 to the present (10/2020)</p> <p>More than 325 million legal status data in more than 60 million records from 1968 to the present (10/2020)</p>																				
Coverage	1782 - present																				
Updates	Weekly with 300,000-1,500,000 records and 500,000-1,500,000 legal status data																				
Language	English																				
Database Producer	<p>European Patent Office Vienna Sub Office P.O. Box 90 Austria Phone: +43 1 52126-0 Fax: +43 1 52126-5491 Email: patentdata@epo.org Copyright Holder</p>																				

Database Supplier FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49 7247 808-555
Fax: +49 7247 808-259
Email: helpdesk@fiz-karlsruhe.de
Copyright Holder

- Sources**
- EPO-Patent Information Resource based on the data supplied by the patent offices (INPADOC/DOCDB Service)
 - INPADOC Legal Status Service
-

- User Aids**
- Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
-

- Cluster**
- ALLBIB
 - AUTHORS
 - CORPSOURCE
 - HPATENTS
 - PATENTS
- STN Database Cluster information:
<http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features>
-

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

Bibliographic Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from title (TI) and abstract (AB) fields)	None or /BI	S TUBULAR HEAT EXCHANG? S ALUM? (S) COAT? S ?MAGNET? S ?METHYL?(T)?AMINO? S (DRILLING(W)PROCESS)/AB	AB, ABDE, ABFR, ABES, ABOL, ABS, TI
Abstract* (contains, ABDE, ABEN, ABES, ABFR, ABOL) (1)	/AB		ABDE, ABEN, ABES, ABFR, ABOL
Abstract (English)	/ABEN	S CATABOLIC/ABEN	ABEN
Abstract (French)	/ABFR	S CATADIOPTRIQUE/ABFR	ABFR
Abstract (German)	/ABDE	S BEARBEITUNGSANLAGE/ABDE	ABDE
Abstract (other languages)	/ABOL	S CATODICAMENTE/ABOL	ABOL
Abstract (Spanish)	/ABES	S BEBIDAS/ABES	ABES
Abstract Language (ISO code and text)	/AL	S DUTCH/AL	ALL, ALLO, IMAX, MAX, MAXO
Accession Number	/AN	S 98540005/AN	AN
Application Country (WIPO code and text)	/AC	S WO/AC AND (INLAND(W)STEEL)/PA	AI
Application Date (2)	/AD	S 19840705/AD	AI
Application ID (EPO)	/DOCID	S 23400004/DOCID	DOCID
Application Kind Code	/AK	S WOW/AK	AI, AIT
Application Kind Code Text	/AIT	S MWA/AIT	AIT
Application Number	/AP	S ZW1981-215/AP	AI
Application Number Count	/ACNT	S 3/ACNT	FSTAT
Application Number, Original	/APO	S KR6900415/APO	APO
Application Year (2)	/AY	S 1988/AY AND SIEMENS/PAS	AI
Calculated Expiration Date (2)	/XPD	S XPD=AUG 2023	XPD
Calculated Expiration Year (2)	/XPY	S 2025-2025/XPY	XPY
Cooperative Patent Classification	/CPC	S D03D0015-0011/CPC	CPC
Country Number Count	/CCNT (or /CYC)	S 3/CCNT	FSTAT
CPC, Action Date (2)	/CPC.ACD	S 20130101/CPC.ACD	CPC.TAB
CPC, Combination Set Data	/CPC.CS	S A61K0009/CPC.CS	CPC.TAB
CPC, Keyword Terms	/CPC.KW	S INVENTION/CPC.KW	CPC.TAB
CPC, Version (2)	/CPC.VER	S 20130101/CPC.VER	CPC.TAB
Data Availability	/DAV	S NOT-PRINTED-WITH-GRANT/DAV	DAV
Data in Force (2,4)	/DF	S 20000127/DF	DF
Designated States	/DS	S W JP/DS	DS
Document Type (code and text)	/DT (or /TC)	S U/DT AND UNILEVER/PAS	DT
Entry Date (2)	/ED	S L1 AND ED>2 JAN 2020	ED
Entry Date New Patent Family (2)	/EDF	S 20200604/EDF	EDF
Entry Date new publication and/or New Legal Status (2)	/EDLS	S EDLS=20200514	not displayed
Entry Date Patent (2)	/EDP	S 20200123 /EDP	EDP
Entry Date Priority (2)	/EDPR	S 20200123 - 20200130 /EDPR	PRAI
Entry Week (INPADOC week) (2)	/EW	S 202001/EW	EW
Family Number (INPAFAMDB AN)	/FN	S 12300004/FN	FN
Field Availability	/FA	S L7 AND DS/FA	FA
Filing Country for PCT Application	/AC.WO	S FR/AC.WO	AI
Filing Country for PCT Priorities (WIPO code and text)	/PRC.WO	S DE/PRC.WO	PRAI
Filing Details	/FDT	S DED1/FDT	FDT

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
International Patent Classification (contains IPCI, IPCR) Inventor	/IPC /IN (or /AU)	S H05B0006-36+NT/IPC S H05B0006-36-H05B0006-44/IPC S NICKOLA RICHARD?/IN	IC, IPCI, IPCR IN
Inventor Address Inventor, Country (WIPO code and text)	/INA /IN.CNY	S HEIDELBERG/INA S GB/IN.CNY	INA INS
Inventor INPADOC Standard IPC (contains ICM, ICS, ICA, and ICI), Version 1-7 (5)	/INS /IC	S AGARWAL S?/INS S C07H019-16/IC	INS IC
IPC, Action Date	/IPC.ACD	S 13 JAN 2006/IPC.ACD	IPC.TAB
IPC, Additional (supplementary) Version 1-7 (5)	/ICA	S H06B006-02 /ICA	ICA
IPC, Index (complementary) Version 1-7 (5)	/ICI	S C12P019-40/ICI	ICI
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Main, Version 1-7 (5)	/ICM	S C23C001-08/ICM	ICM
IPC, Secondary (5)	/ICS	S C12P019-40/ICS	ICS
IPC, Version from IC	/IC.VER	S 7/IC.VER AND L5	IC.VER, IC
IPC, Version from IPC	/IPC.VER	S 200601/IPC.VER	IPC.TAB
Japanese Patent Classification (FI-Terms)	/FCL (or /JPC)	S A01B0001-24 B/FCL	FCL
Japanese Patent Classification (F-Terms)	/FTRM (or /FTRM, or /JPCLA)	S 5H030/AA00/FTRM	FTRM
Language (ISO code and text)	/LA	S DE/LA	LA
Language of Filing (ISO code and text)	/LAF	S FR/LAF	LAF
Patent Assignee (6)	/PA (or /CS)	S INLAND STEEL/PA S BROWN WILLIAMSON/CS	PA
Patent Assignee Address	/PAA	S US/PAA AND EASTMAN KODAK/PAS	PAA
Patent Assignee INPADOC Standard (6)	/PAS	S INLAND STEEL CO?/PAS S (BROWN(S)TOBACCO)/PAS	PAS
Patent Assignee, Country	/PA.CNY	S GB/PA.CNY	PAS
Patent Country (WIPO code and text)	/PC	S DE/PC AND IBM/PAS AND 1988/PY	PI
Patent Information Publication Type	/PIT	S ARA1/PIT	PIT
Patent Kind Code	/PK	S ZWA1/PK	PI
Patent Number (3)	/PN	S F19902020/PN	PI
Patent Number Count	/PCNT	S 4/PCNT	FSTAT
Patent Number/Kind Code	/PNK	S WO2009006253A2/PNK	PNK
Patent Number Original	/PNO	S KR300392615S/PNO	PNO
Patent Status	/STA	S GRANTED/STA AND LASER/TI	STA
Priority Country (WIPO code and text)	/PRC	S JP/PRC AND 19880101/PRD	PRAI
Priority Date (2)	/PRD (or /PD.D)	S JP/PRC AND 19880101-19880331/PRD	PRAI
Priority Date, First (2)	/PRDF	S MARCH 2009/PRDF	PRAI
Priority Kind Code	/PRK	S DEA/PRK	PRAI
Priority Kind Text	/PRAIT	S ARA PATENT APPLICATION/PRAIT	PRAIT
Priority Number (3)	/PRN	S US1990-184420/PRN	PRAI
Priority Number Count	/PRCNT	S 10/PRCNT	FSTAT
Priority Number Original	/PRNO	S KRD1997055047/PRNO	PRNO

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Priority Year (2)	/PRY	S 1998/PRY AND US/PRC	PRAI
Priority Year, First (2)	/PRYF	S GB/PC AND 1998/ PRYF	PRAI
Publication Date (2)	/PD	S 19990104/PD	PI
Publication ID (EPO)	/PUBID	S 23409/PUBID	PUBID
Publication Year (2)	/PY	S 1999/PY	PI
Simple Family Number (EPO)	/SFN	S 12300006/SFN	SFN
Simple Family Number Count (EPO)	/SFCNT	S 5/SFCNT	FSTAT
Title (English)	/TIEN	S CATABOLIC/TIEN	TIEN
Title (French)	/TIFR	S CATADIOPTRIQUE/TIFR	TIFR
Title (German)	/TIDE	S BEARBEITUNGSANLAGE/TIDE	TIDE
Title (other languages)	/TIOL	S CATODICAMENTE/TIOL	TIOL
Title (Spanish)	/TIES	S BEBIDAS/TIES	TIES
Title Language (ISO code and text)	/TL	S EN/TL S ENGLISH/TL	TL
Title of Invention (contains TIDE, TIEN, TIES, TIFR, TIOL)*	/TI	S (FILTER? (S) ELECTR? (S) MEMBRAN#)TI	TI, TIDE, TIEN, TIES, TIFR, TIOL, TIO
Update Date (2)	/UP	S L1 AND UP>20200102	UP
Update Date all Patent Changes (all updates in /UPM, /UPLS, /UPFC) (2)	/UPM	S L1 AND 20200702/UPM	not displayed
Update Date Classifications (2)	/UPCC	S L1 AND UPCC> 20200702	UPALL
Update Date for combined or split Patent Family	/UPFC	S UPFC=OCT 2019	UPALL
Update Date New Patent Family Record (2)	/UPFD	S 20200702/UPFD	UPALL
Update Date New Publication and/or Legal Status Changes of the family (all updates in /UPFB, /UPFL) (2)	/UPFE	S 20200702/UPFE	UPALL
Update Date of Bibliography (2)	/UPBB	S L1 AND UPBB> 20200702	UPALL
Update Date Patent Family (2) (all updates in /UPFB, /UPFC, /UPFL))	/UPFA	S 20200702/UPFA	UPALL
Update Date Patent Family Legal Status (2)	/UPFL	S 20200702/UPFL	UPALL
Update Date Patent Family Publication Level (2)	/UPFP	S 20200702/UPFP	UPALL
Update Date Patent Family Bibliographic (2)	/UPFB	S 20200702/UPFB AND L7	UPALL
Update Week (INPADOC Week) (2)	/UW	S UW= 201806 AND L3	UW

- (1) This field is available for selected countries and patent publications.
- (2) Numeric search field that may be searched using numeric operators or ranges.
- (3) Either STN or Derwent format may be used.
- (4) For German Utility Models: Advertisement of registration.
- (5) Search in IPC8 format also available.
- (6) Search with implied (S) proximity is available.

Legal Status Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Entry Date New Publication and/or New Legal Status (1)	/EDLS	S EDLS=FEB 2019	not displayed
Legal Status Basic Index (contains legal status agent (LSAG), legal status free format text (LSFT), legal status inventor (LSIN), legal status patent opponent (LSOP), and legal status patent assignee (LSPA) fields)	/LSBI	S LASER?/LSBI S ANACOMP/LSBI S OPPOSITE/LSBI	LS
Legal Status Code (code and text)	/LSC	S EP111L/LSC	LS
Legal Status Code Category	/LSC2	S LAP/LSC2	LS
Legal Status Code Country (WIPO code and text)	/LSCC	S BE/LSCC	LS
Legal Status Code Text	/LSTX	S CORRECTION/LSTX	LS
Legal Status Country (WIPO code and text)	/LSCY	S UNITED KINGDOM/LSCY	LS
Legal Status Date in Force (1)	/LSDF	S LSDF=20050109	LS
Legal Status Date INPADOC GAZETTE (1)	/LSD	S LSD=JAN 2020	LS
Legal Status Designated States (WIPO code and text)	/LSDS	S AU/LSDS S AUSTRALIA/LSDS	LS
Legal Status Free Format Text	/LSFT	S TELECOMMUNICATION/LSFT	LS
Legal Status Indicator	/LSCI	S POSITIVE/LSCI AND L3	LS
Legal Status IPC	/LSIC	S A01B0001/24 /LSIC	LS
Legal Status Licensee	/LSLI	S BAYER/LSLI	LS
Legal Status Number Count	/LSCNT	S 10-20/LSCNT	LS
Legal Status Patent Assignee (2)	/LSPA	S (MAN CERAMICS)/LSPA	LS
Legal Status Patent Inventor	/LSIN	S MAYER, BERND/LSIN S (MAYER(S)BERND)/LSIN	LS
Legal Status Patent Opponent	/LSOP	S SIEMENS AG/LSOP	LS
Legal Status Publication Country (WIPO code and text)	/LSPC	S CA/LSPC S CANADA/LSPC	LS
Legal Status Publication Date (1)	/LSPD	S LSPD=JAN 1998	LS
Legal Status Publication Kind Code	/LSPK	S ESA1/LSPK	LS
Legal Status Publication Number	/LSPN	S EP200212/LSPN	LS
Legal Status Publication Year (1)	/LSPY	S 1999-2000/LSPY	LS
Legal Status Represent./Agent	/LSAG	S (LORENZ AND PHILIPPS)/LSAG	LS
Legal Status SPC Number	/LSSPC	S EU/1/00/129/001/LSSPC	LS
Legal Status SPC, Expiry Date (1)	/LSSPC.XD	S LSSPC.XD>2025	LS
Legal Status SPC, Extension Date (1)	/LSSPC.EX	S 20230930 /LSSPC.EX	LS
Legal Status SPC, Filing Date (1)	/LSSPC.FD	S 20190102- 20190116/LSSPC.FD	LS
Legal Status, Payment Year (1)	/LSPMY	S 18/LSPMY	LS
Update Legal Status (1)	/UPLS	S 20200827 8/UPLS	LS, LSUP

(1) Numeric search field that may be searched using numeric operators or ranges.

(2) Search with implied (S) proximity is available.

Super Search Fields

Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multfile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Application Number Group (1)	/APPS	/AP, /PRN	S DE1984-3400052/APPS S 1984DE-3400052/APPS	AI, PRAI
Inventor Group Patent Assignee Group	/INSS /PASS	/IN, /INS, /LSIN /PA, /PAS, /LSPA	S MEIER/INSS S MEIER/PASS	IPC PI
Patent Countries Patent Number Group (1)	/PCS /PATS	/DS, /PC /PN, /RPN	S BE/PCS S WO1989004114/PATS	PI, DS PI, REP

(1) Either STN format or Derwent format may be used.

IPC THESAURUS

The classifications, validity and catchwords for the main headings and subheadings from the current (8th) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1-7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1-8, use the field code followed by the edition number, e.g., /IPC2 for the 2nd edition. Catchwords are included only in the thesauri for the 8th, 7th, 6th, and 5th editions.

Code	Content	Examples
ADVANCED (ADV)	Advanced Level Codes for the Core Level IPC Code	E A61K0066-02+ADVANCED/IPC
ALL	All Associated Terms (BT, SELF, NT, RT)	E C01C003-00+ALL/IPC
BRO (MAN)	Complete Class	E C01C+BRO/IPC
BT	Broader Term (SELF, BT)	E C01F001-00+BT/IPC
BTn	Broader Term (SELF, BT) up to the next n levels (n =1,2,...)	E C01F001-21+BT2/IPC
CORE (COR)	Core Codes for the Advanced Level IPC Code	E G08C0019-22+CORE/IPC
ED	Complete title of the SELF term and IPC manual	E C01F001-00+ED/IPC
HIE	Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)	E C011003-00+HIE/IPC
INDEX	Complete title of the SELF term	E C01F001-00+INDEX/IPC
KT	Keyword Term (catchwords) (SELF, KT)	E CYANOGEN+KT/IPC
NEXT	Next Classification	E C01C001-00+NEXT5/IPC
NT	Narrower Terms (SELF, NT)	E C01C+NT/IPC
NTn	Narrower Terms (SELF, NT) down to the next n levels (n =1,2,...)	E C01C+NT3/IPC
PREV	Previous Code within the same class (SELF, PREV)	E C01C001-12+PREV/IPC
PREV(n)	Previous n classifications within the same class	E C01C001-12+PREV10/IPC
RT (SIB)	Related Terms (SELF, RT)	E C01C003-20+RT/IPC
TI	Complete Title of the SELF Term and Broader Terms (BT, SELF)	E C01F001-00+TI/IPC

CPC Thesaurus

This thesaurus is available in the /CPC search field. All relationship codes can be used with both the EXPAND and SEARCH commands.

Relationship Code	Content	Search Examples
ALL AUTO (1) BT CODE	All usually required terms (BT, SELF, CODE, DEF) Automatic relationship (BT, SELF, CODE, DEF) Broader terms (BT, SELF) Classification Code (SELF, CODE)	E C12M0001-34H2+ALL/CPC E G01J003-443+AUTO/CPC E G01J0003-443+BT/CPC E SCRAPER BIASING MEANS+CODE/CPC
DEF HIE	Definition (SELF, DEF) Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT)	E B65G0045-16+DEF/CPC E A01B0001+HIE/CPC
KT MAX NEXT NEXT(n) NT PREV PREV(n) TI	Keyword terms (SELF, KT) All associated terms Next classification within the same class (SELF, NEXT) Next n classification within the same class Narrower terms Previous Code within the same class (SELF, PREV) Previous n classifications within the same class Complete Title of the SELF Term and Broader Terms (BT, SELF)	E LASER+KT/CPC E G01J0003-44B+MAX/CPC E A01B0001-24+NEXT/CPC E A01B0001-24+NEXT3/CPC E G05B0001-04+NT/CPC E G05B0019-418N1+PREV/CPC E G05B0019-418N1+PREV2/CPC E G05B0001-03+TI/CPC

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI PI. The fields are displayed or printed in the order requested.

Most custom display fields provide the deduplicated content of all publications of a record (national family), e.g. D PI displays all publication numbers.

For TI, IN, INS, PA, and PAS the qualifier .M has to be used to display the content for all publications of a record. For the other custom display fields the use of the qualifier .M is not valid.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract (all languages)	D AB
ABDE	Abstract (German)	D ABDE
ABEN	Abstract (English)	D ABEN
ABES	Abstract (Spanish)	D ABES
ABFR	Abstract (French)	D ABFR
ABO	Abstract, Original	D ABO
ABOL	Abstract (other languages)	D ABOL
AI (2)	Application Information	D AI
AIT	Application Kind Code Text	D AIT
AN	Accession Number	D AN
APO	Application Number	D APO
APPS	Application Number Group	D APPS
CPC	Cooperative Patent Classification	D CPC
DAV	Data Availability	D DAV
DF	Date in Force	D DF
DOCID	Application ID	D DOCID

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
DS	Designated States	D DS
DT (TC)	Document Type	D DT
ED	Entry Date	D ED
EDP	Entry Date Patent	D EDP
EW	Entry Week	D EW
FA	Field Availability	D FA
FCL (JPC)	Japanese Patent Classification (FI-Terms)	D FCL
FDT	Filing Details	D FDT
FN	Family Number (INPAFAMDB AN)	D FN
FTRM (FTERM, FTCLA, JPCLA)	Japanese Patent Classification (F-Terms)	D FTRM
IC	International Patent Classification (ICM, ICS)	D IC
ICA	IPC, Additional (supplementary)	D ICA
ICI	IPC, Index (complementary)	D ICI
ICM	IPC, Main	D ICM
ICS	IPC, Secondary	D ICS
IN (1)	Inventor	D IN
IN.CNY	Inventor, Country	D INS
INA	Inventor Address	D INA
INS (1)	Inventor INPADOC Standard	D INS
IPCI	IPC, Initial	D IPCI
IPCR	IPC, Reclassified	D IPCR
LA	Language	D LA
LAF	Language of Filing	D LAF
PA (CS) (1)	Patent Assignee	D PA
PAA	Patent Assignee Address	D PAA
PA.CNY	Patent Assignee, Country	D PAS
PAS (1)	Patent Assignee INPADOC Standard	D PAS
PI (PN, PATS) (2)	Patent Information	D PI
PIT	Patent Information Publication Type	D PIT
PNK	Patent Number/Kind Code	D PNK
PNO	Patent Number, Original	D PNO
PRAI (PRN) (2)	Priority Information	D PRAI
PRAIT	Priority Kind Text	D PRAIT
PRNO	Priority Number, Original	D PRNO
PUBID	Publication ID	D PUBID
SFN	Simple Family Number (EPO)	D SFN
STA	Status	D STA
TI (1)	Title (all languages)	D TI
TIDE	Title (German)	D TIDE
TIEN	Title (English)	D TIEN
TIES	Title (Spanish)	D TIES
TIFR	Title (French)	D TIFR
TIO	Title, Original	D TIO
TIOL	Title (other languages)	D TIOL
TL	Title Language	D TL
UP	Update Date	D UP
UW	Update Week (INPADOC Week)	D UW
XPD	Calculated Expiration Date	D XPD
XPY	Calculated Expiration Year	D XPY

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
ABS ALL (2) ALLO (2) IALL (2) BIB (2)	AN, AL, AS, ABDE, ABEN, ABES, ABFR, ABOL BIB, all Abstracts, IND, FA ALL, PNO, APO, PRNO, FSTAT plus original data in UTF-8 characters ALL, indented with text labels AN, FN, ED, EW, UP, UW, FN, UPFC, TIDE, TIEN, TIES, TIFR, TIOL, TL, IN, INS, INA, PA, PAS, PAA, DT, LA, LAF, PI, PIT, DAV, STA, DF, DS, XS, AI, AIT, PRAI, PRAIT, XPD (The default format is BIB.M)	D ABS D ALL D ALLO D IALL D BIB
IBIB (2) BRIEF	BIB, indented with text labels TIDE, TIEN, TIES, TIFR, TIOL, INS, PAS, IPCI, IPCR, CPC, FTRM, FCL, PI, AI, PRAI, abstracts	D IBIB D BRIEF
APPS (2) CODE CPC.TAB IC IND IPC IPC.TAB LS LS2 LSUP MAX (2) IMAX (2) MAXO (2) PATS (2) PI.PDF	Application Number Group (AI, PRAI) AN, FN, IND CPC, CPC.KW, CPC.ACD, CPC.VER, in tabular format International Patent Classification (ICA, ICI, ICM, ICS) AN, ED, EW, UP, UW, IPC, CPC, FTRM, FCL ICM, ICS, ICA, ICI, IPCR, IPCI IPC, IPC.KW, IPC.ACD, IPC.VER, in tabular display AN, UPLS, Legal Status Legal Status, detailed version with display headers Last LS Update BIB plus AB, IND, SFN, PUBID, DOCID, FA, LS MAX, indented with text labels MAX, PNO, APO, PRNO plus original data in UTF-8 characters Patent Number Group (PI, REP) National family PI information plus hyperlinks to the original documents (pdf) in Espacenet	D APPS D CODE D CPC.TAB D IC D IND D IPC D IPC.TAB D LS D LS2 D LSUP D MAX D IMAX D MAXO D PATS D PI.PDF
SCAN (3) STD (2)	TI latest publication (random display without answer number) BIB, IND	D SCAN D STD
TRIAL (TRI, FREE, SAMPLE, SAM) HIT KWIC OCC	TI, IPC, CPC, FTRM, FCL Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D TRIAL D HIT D KWIC D OCC

(1) The qualifier .M may be used to display the content for all publications of a record.

(2) Application, patent, and priority number are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT, and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

FAMILY DISPLAY and PRINT Formats

Format	Content	Examples
TIPI.F PILS.F (1,4) BIBLS.F (1) CFAM (1) CFAM2 (1) DFAM (1,2) EFAM (1) FAM (1) FAMLS (1)	TI + PI for all patent family members PI + LS for all patent family members BIB + LS for all patent family members Condensed family table with publication numbers and dates Condensed family table with PI, AI, PRAI FAM, delimited for post processing FAM, but the priority information constitutes the header AN, table of patent family information (PI, AI, PRAI) and relationships Comprises the family table CFAM2 plus a list of all legal status entries, sorted by legal status date LSD	D TIPI.F D PILS.F D BIBLS D CFAM D CFAM2 D DFAM D EFAM D FAM D FAMLS
FAM2 (1) FFAM (1) FFAM.PC (1,3) FSTAT IFAM (1) IFAM2 LFAM (1) MFAM (1) MFAM.PC (1,3) SFAM (1)	AN, table of patent family information, another order STD + LS for each member of the family FFAM for a specified country only All count numbers with PRCNT, ACNT, PCNT, SFCNT, CCNT, LSCNT Combines indented FAM and IMAX.F IFAM without abstract, classification and citation AN, PI, LSUP for all members of a patent family MAX for each family member MFAM for a specified country only Display of the EPO 'simple patent family' (SFN) within the INPADOC patent family table	D FAM2 D FFAM D FFAM.PC D FSTAT D IFAM D IFAM2 D LFAM D MFAM D MFAM.PC D SFAM

- (1) Application, patent, and priority number are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT, and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.
- (2) SET LINE 100 is recommended.
- (3) PC = all patent countries.
- (4) In format PILS legal status is displayed without the information PRI, APP, and PUB.

FAMILY DISPLAY and PRINT Formats – Weekly SDI

Format	Content	Examples
FFAMED (1) FFAMED.PC (1,2) FFAMUP (1) FFAMUP.PC (1,2) IFAMED (1) IFAMUP (1) LFAMUP (1) LFAMUP.PC (1,2)	STD for new publications and/or LSUP for each updated family FFAMED for a specific country only STD + LS for each updated family FFAMUP for a specific country only Indented FFAMED plus patent family table Indented FFAMUP plus patent family table AN, PI, LSUP for all updated members of a patent family LFAMUP for a specific country only	D FFAMED D FFAMED.PC D FFAMUP D FFAMUP.PC D IFAMED D IFAMUP D LFAMUP D LFAMUP.PC

- (1) Application, patent, and priority number are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT, and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.
- (2) PC = AR, AT, AU, BE, BR, CA, CH, CN, DE, DK, EP, ES, FI, FR, GB, IL, IT, JP, KR, MX, NL, NO, RU, SE, TW, US, WO

FAMILY DISPLAY and PRINT Formats – Monthly SDI

Format	Content	Examples
FFAMED4 (1) FFAMUP4 (1) IFAMED4 (1) IFAMUP4 (1) LFAMUP4 (1)	STD for new publications and/or LSUP for each updated family STD + LS for each updated family Indented FFAMED4 plus patent family table Indented FFAMUP4 plus patent family table AN, PI, LSUP for all updated members of a patent family	D FFAMED4 D FFAMUP4 D IFAMED4 D IFAMUP4 D LFAMUP4

- (1) Application, patent, and priority number are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT, and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.

Sorting within the PATENT FAMILY DISPLAY Formats

Format	Content
FAM	PRN (Priority Number)
DFAM	PRN (Priority Number)
EFAM	PRN (Priority Number)
FFAM	PN (Patent Number) of the highest level
LFAM	PN (Patent Number) of the highest level
CFAM	AP (Application Number)

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

The SELECT/ANALYZE command extracts terms from all publication levels.

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	Y
Abstract (English)	ABEN	Y	Y
Abstract (French)	ABFR	Y (2)	Y
Abstract (German)	ABDE	Y (2)	Y
Abstract (Spanish)	ABES	Y (2)	Y
Abstract (Original Language)	ABOL	Y (2)	Y
Application Country	AC	Y	Y
Application Date	AD	Y	Y
Application Kind Code	AK	Y	Y
Application Kind Code Text	AIT	Y	Y
Application Number	AP (AI)	Y (3)	Y
Application Number Group	APPS	Y (3,4)	N
Application Number, Original	APO	Y	N
Application Year	AY	Y	Y
Calculated Expiration Day	XPD	Y	Y
Calculated Expiration Year	XPY	Y	Y
Cooperative Patent Classification	CPC	Y	N
Date in Force	DF	Y	Y
Designated State	DS	Y	N
Document Type	DT (TC)	Y	Y
Entry Date	ED	Y	N
Entry Date Patent	EDP	Y	N
Entry Week	EW	Y	N
Filing Details	FDT	Y	N
INPAFAMDB Family	FN	Y	N
International Patent Classification	IC	Y	N
International Patent Classification	IPC	Y	Y
Inventor	IN (AU)	Y	Y
Inventor, Country	IN.CNY	Y	Y
Inventor Address	INA	Y	Y
Inventor INPADOC Standard	INS	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
IPC, Additional (supplementary)	ICA	Y	Y
IPC, Index (complementary)	ICI	Y	Y
IPC, Initial	IPCI	Y (5)	N
IPC, Main	ICM	Y	Y
IPC, Reclassified	IPCR	Y (5)	N
IPC, Secondary	ICS	Y	Y
Japanese Patent Classification (F-Terms)	FTRM	Y	N
Japanese Patent Classification (FI-Terms)	FCL	Y	N
Language	LA	Y	Y
Language of Filing	LAF	Y	Y
Legal Status Code	LSC	Y	N
Legal Status Code Category	LSC2	Y	N
Legal Status Code Country	LSCC	Y	N
Legal Status Date INPADOC GAZETTE	LSD	Y	N
Legal Status Free Format Text	LSFT	Y	N
Legal Status IPC	LSIC	Y	N
Legal Status Patent Assignee	LSPA	Y	N
Legal Status Patent Inventor	LSIN	Y	N
Legal Status Patent Opponent	LSOP	Y	N
Legal Status Payment Year	LSPMY	Y	N
Legal Status Publication Country	LSPC	Y	N
Legal Status Publication Date	LSPD	Y	N
Legal Status Publication Number	LSPN	Y	N
Legal Status Representative/Agent	LSAG	Y	N
Legal Status SPC Number	LSSPC	Y	N
Legal Status SPC, Expiry Date	LSSPC.XD	Y	N
Legal Status SPC, Extension Date	LSSPC.EX	Y	N
Legal Status SPC, Filing Date	LSSPC.FD	Y	N
Occurrence Count of Hit Terms	OCC	N	Y
Patent Assignee	PA (CS)	Y	Y
Patent Assignee Address	PAA	Y	Y
Patent Assignee INPADOC Standard	PAS	Y	Y
Patent Assignee, Country	PA.CNY	Y	Y
Patent Country	PC	Y	Y
Patent Countries	PCS	Y	N
Patent Information Publication Type	PIT	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PN (PI)	Y (3)	Y
Patent Number/Kind Code	PNK	Y	N
Patent Number Group	PATS	Y (3,6)	Y
Patent Number, Original	PNO	Y	N
Patent Status	STA	Y	N
Priority Country	PRC	Y	Y
Priority Country, First	PRCF	Y	Y
Priority Date	PRD	Y	Y
Priority Date, First	PRDF	Y	Y
Priority Kind Code	PRK	Y	Y
Priority Kind Text	PRAIT	Y	Y
Priority Number	PRN (PRAI)	Y (3)	Y
Priority Number, Original	PRNO	Y	N
Priority Year	PRY	Y	Y
Priority Year, First	PRYF	Y (7)	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Title	TI	Y (default)	Y
Title (German)	TIDE	Y	N
Title (English)	TIEN	Y	N
Title (French)	TIFR	Y	N
Title (Spanish)	TIES	Y	N
Title (other language)	TIOL	Y	N
Title Language	TL	Y	Y
Update Date	UP	Y	N
Update Week	UW	Y	N

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- (2) Appends /AB to the terms created by SELECT.
- (3) SELECTed and SORTed application, priority and patent numbers are in the format set by the Messenger SET PATENT command, either DERWENT or STN.
- (4) Selects or analyzes AP, PRN, and appends /APPS to the terms created by SELECT.
- (5) Appends /IPC to the terms created by SELECT.
- (6) Selects or analyzes /PN, /RPN with /PATS appended to the terms created by SELECT.
- (7) SELECT or ANALYZE HIT are not valid with this field.

Update Codes (for SDI also)**Update codes or entry dates associated with records**

Field Name	Search Code	Search Examples	Display Codes
Entry Date	/ED	S L1 AND ED>DEC 2006	ED
Entry Date + Legal Status Update	/EDLS	S EDLS = JAN 2008	not displayed
Entry Date Patent (new record)	/EDP	S 20061026/EDP	EDP, UPALL
Entry Date Priority	/EDPR	S 29 JAN 2009/EDPR	PRAI
Update Date	/UP	S 20070102/UP	LS
Update Legal Status	/UPLS	S 20070222/UPLS	LS
All updates of a record	/UPM	S 20070215/UPM	not displayed

Update codes or entry dates associated with patent families (1)

Field Name	Search Code	Search Examples	Display Codes
Entry Date new patent family	/EDF	S L1 AND EDF>21 MAR 2007	UPALL
All changes in a patent family	/UPFA	S L1 AND 20070329/UPFA	not displayed
Any change of a bibliographic element in a patent family	/UPFB	S L1 AND 20070215/UPFB	UPALL
Update Date for combined or split Patent Family (3)	/UPFC	S L1 AND UPFC=OCT 2009	UPFC
Entry of a new database record (document) into a patent family (level 1)	/UPFD	S L1 AND 20070215/UPFD	UPALL
Entry of a new publication and changes in legal status	/UPFE	S L1 AND 20070321/UPFE	not displayed
Any change of a legal status in a patent family	/UPFL	S L1 AND 20070321/UPFL	UPALL
Entry of a new publication level into a patent family	/UPFP	S L1 AND 20070222/UPFP	UPALL

- (1) Special display formats available for monitoring patent families weekly.

Sample Records**DISPLAY MAX**

AN 101262377 INPADOCDB ED 20200618 EW 202025 UP 20200618 UW 202031 Full-text
FN 67205712
SFN 65685818 DOCID 521812812 PUBID 531121623
TIDE WASSERZEICHENBESTAeNDIGES DEKORPAPIER.
TL German
TIEN WATERMARKED DECOR PAPER.
TL English
TIFR PAPIER DECOR FILIGRANE.
TL French
IN CHARIGNON, Sebastien; ALAINE, Sebastien; CALZA, Valerie
INS CHARIGNON SEBASTIEN, FR; ALAINE SEBASTIEN, FR; CALZA VALERIE, FR
PA Ahlstrom-Munksjoe Oyj
PAS AHLSTROM MUNKSJOE OYJ, FI
DT Patent
PI EP 3665328 A1 20200617 English
DS R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK
MT NL NO PL PT RO RS SE SI SK SM TR
XS: BA ME
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20200617 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
XPD 20391025
AI EP 2019-797215 A 20191025 EPA Patent application
PRAI FR 2018-71318 A 20181026 FRA Patent application (Y,20200507)
WO 2019-EP79287 W 20191025 WOWW Additional PCT application (N,20200618)
IPCI D21H0027-20; D21H0017-67; D21H0021-28; D21H0021-40; D21H0027-30
CPC D21H0017-675; D21H0021-28; D21H0021-40; D21H0027-20; D21H0027-30
FA CPC; DAV; DS; DT; IN; INS; INO; IPCI; LA; LSDF; PA; PAS; PI; TIEN; TIFR; TIDE; XPD

AN 101262377 INPADOCDB ED 20200820 EW 202034 UP 20200820 UW 202034 Full-text
FN 67205712
SFN 65685818 DOCID 521812812 PUBID 534742725
TIDE WASSERMARKIERTES DEKORPAPIER.
TL German
TIEN WATERMARKED DECOR PAPER.
TL English
TIFR PAPIER DECOR FILIGRANE.
TL French
IN CHARIGNON, Sebastien; ALAINE, Sebastien; CALZA, Valerie
INS CHARIGNON SEBASTIEN, FR; ALAINE SEBASTIEN, FR; CALZA VALERIE, FR
PA Ahlstrom-Munksjoe Oyj
PAS AHLSTROM MUNKSJOE OYJ, FI
DT Patent
PI EP 3665328 B1 20200819 English
DS R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK
MT NL NO PL PT RO RS SE SI SK SM TR
PIT EPB1 PATENT SPECIFICATION
DAV 20200819 printed-with-grant
STA GRANTED
XPD 20391025
AI EP 2019-797215 A 20191025 EPA Patent application
PRAI FR 2018-71318 A 20181026 FRA Patent application (Y,20200507)
WO 2019-EP79287 W 20191025 WOWW Additional PCT application (N,20200618)
IPCI D21H0027-20; D21H0017-67; D21H0021-28; D21H0021-40; D21H0027-30
CPC D21H0017-675; D21H0021-28; D21H0021-40; D21H0027-20; D21H0027-30
FA CPC; DAV; DS; DT; IN; INS; INO; IPCI; LA; PA; PAS; PI; TIEN; TIFR; TIDE; XPD

LEGAL STATUS

AN 101262377 INPADOCDB Full-text
20200617 EPAX + REQUEST FOR EXTENSION OF THE EUROPEAN PATENT
BA ME
MIS Miscellaneous or Ambiguous

INPADOCDB

.....20200702
 20200617 EPAK + DESIGNATED CONTRACTING STATES
 EP A1
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT
 LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
 MIS Miscellaneous or Ambiguous
20200702
 20200617 EP17P + REQUEST FOR EXAMINATION FILED
 20200311
 EXA Examination, Search Report
20200702
 20200624 EPINTG + INTENTION TO GRANT ANNOUNCED
 20200529
 EXA Examination, Search Report
20200702
 20200715 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTED)
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT
 LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
 ERR Erratum
20200723
 20200812 EPDAX - REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)
 MIS Miscellaneous or Ambiguous
20200820
 20200812 EPDAV - REQUEST FOR VALIDATION OF THE EUROPEAN PATENT (DELETED)
 MIS Miscellaneous or Ambiguous
20200820
 20200819 EPAK + DESIGNATED CONTRACTING STATES
 EP B1
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT
 LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
 MIS Miscellaneous or Ambiguous
20200827

DISPLAY FAM

PATENT FAMILY INFORMATION

AN 101262377 INPADOCDB

+-----PRAI-----+		+-----AI-----+	
FR 2018-71318	A 20181026	EP 2019-797215	A 20191025
		FR 2018-71318	A 20181026
		WO 2019-EP79287	W 20191025
WO 2019-EP79287	W 20191025	EP 2019-797215	A 20191025
+-----AI-----+		+-----PI-----+	
EP 2019-797215	A 20191025	EP 3665328	A1 20200617
		EP 3665328	B1 20200819
FR 2018-71318	A 20181026	FR 3087795	A1 20200501
WO 2019-EP79287	W 20191025	WO 2020084146	A1 20200430

2 priorities, 3 applications, 4 publications (1 EPO simple family)
 3 countries, 21 legal status events

DISPLAY ALLO

AN 101878401 INPADOCDB ED 20200716 EW 202029 UP 20200716 UW 202029 Full-text
 FN 68143912
 TIO 一种氯乙酰2'- (2''-乙硫基) -乙硫基乙硫酯
 TL Chinese
 INO 纪晓唐; 葛忠学; 李陶琦; 丁可伟; 刘卫孝;
 全敏超; 张敏; 刘愆
 PAO 西安近代化学研究所
 DT Patent
 PI CN 111373858 B 20190426 Chinese

PNO CN111373858B
CN111373858
PIT CNB EXAMINED APPLICATION [FROM 19850401 UNTIL 19921231] or GRANTED PATENT FOR
INVENTION [FROM 20100407 ONWARDS]
DAV 20190426 printed-with-grant
STA GRANTED
XPD 20351030
AI CN 2015-18006230 A 20151030 CNA Patent application
APO CN201518006230
CN201518006230.4
PRAI CN 2015-18006230 A 20151030 CNA Patent application (Y,20200716)
PRNO CN201518006230
IPCI C07C0323-22
AS National Office
AL Chinese
ABO 本发明公开了一种氯乙酰2'-(2"-乙硫基)-乙硫
基乙硫酯化合物·其结构式如下:本发明
主要作为硫醚类化学战剂模拟剂。.
FA ABO; DAV; DT; INO; IPCI; LA; PAO; PI; TIO; XPD
FSTAT 1 priority, 1 application, 1 publication (1 EPO simple family)
1 country, 5 legal status events

In North America

CAS
STN North America
P.O. Box 3012
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:
Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
Email: help@cas.org
Internet: www.cas.org

In Europe

FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
Email: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.com

In Japan

JAICI (Japan Association for
International Chemical Information)
STN Japan
Nakai Building
6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
Phone: +81-3-5978-3601 (Technical Service)
+81-3-5978-3621 (Customer Service)
Fax: +81-3-5978-3600
Email: support@jaici.or.jp (Technical Service)
customer@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp