

INPAFAMDB (INternational PATent FAMily DataBase)



Subject Coverage	All areas of science and technology, i.e., all classes of the International Patent Classification																				
File Type	Bibliographic																				
Features	<table><tr><td>Thesauri</td><td colspan="3">Cooperative Patent Classification (CPC), International Patent Classification (/IPC), US National Patent Classification (/NCL, /INCL)</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), International Patent Classification (/IPC), US National Patent Classification (/NCL, /INCL)			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), International Patent Classification (/IPC), US National Patent Classification (/NCL, /INCL)																				
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">• Family data of patent documents, utility models, and design patents of more than 100 patent-issuing organizations including the European Patent Office (EPO) and the World Intellectual Property Organization (WIPO).• Legal status data of 98 patent-issuing organizations (54 countries + from 44 countries of the national phases PCT/EP).• Indexes are based on the patent families, where in INPADOCDB the indexes are based on the patent applications. The accession number AN in INPAFAMDB is the family number FN from INPADOCDB.• Abstracts are provided for more than 66 million records with more than 60 million abstracts in English.• Calculated expiration dates are provided for all patent authorities except WO and ID, see HELP XPD for details.• Note: The family number can change due to corrections/updates of patent relevant numbers and codes.																				
File Size	More than 100 million patent family records with about 127 million publications from 1782 to the present (12/2020) More than 335 million legal status data in more than 65 million patent families from 1968 to present (12/2020)																				
Coverage	1782-present																				
Updates	Weekly with 200,000-1,000,000 records and 400,000-1,000,000 legal status data																				
Language	English																				

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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

Clusters

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- 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?	AB, ABDE, ABFR, ABES, ABOL, ABS, TI
Abstract* (contains AB, ABDE, ABES, ABFR, ABOL) (1)	/AB	S (DRILLING(W)PROCESS)/AB	AB, ABDE, ABES, ABFR, ABOL
Application Country (WIPO code and text)	/AC	S WO/AC AND (INLAND(W)STEEL)/PA	AI
Filing Country for PCT Application (WIPO code and text)	/AC.WO	S FR/AC.WO	AI
Application Date (2)	/AD	S 19840705/AD	AI
Application Kind Code Text	/AIT	S MWA/AIT	AIT
Application Kind Code	/AK	S WOV/AK	AI, AIT
Application Number Count (2)	/ACNT	S ACNT=3	FSTAT
Abstract Language (ISO code and text)	/AL	S DUTCH/AL	ALL, ALLO, IMAX, MAX, MAXO
Accession Number (=patent family number FN in INPADOCDB)	/AN	S 12345678/AN	AN
Application Number (3)	/AP	S ZW1981-215/AP	AI
Application Year (2)	/AY	S 1988/AY AND SIEMENS/PAS	AI
Calculated Expiration Date (2)	/XPD	S XPD=AUG 2013	XPD
Calculated Expiration Year (2)	/XPY	S 2010-2011/XPY	XPY
Citation Category	/CAT	S EP1234356/RPN(S)X/CAT	REN, REP
Cited Application Country	/AC.D	S AT/AC.D	REAI
Cited Application Kind Code	/AK.D	S ATA/AK.D	REAI
Cited Application Number	/AP.D	S AT920000957/AP.D	REAI
Citing Patent Country (WIPO code and text)	/PC.G	S AT/PC.G	CGP
Citing Patent Number	/PN.G	S BG65643/PN.G	CGP
Changes (Indicator for the changes in the last update)	/CHG	S FCL C/CHG	CHG
Cooperative Patent Classification	/CPC	S D03D0015-0011/CPC	CPC
CPC, Action Date (2)	/CPC.ACD	S 20130101/CPC.ACD	CPC.TAB
CPC, Combination Set Data (11)	/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
Date in Force (2,4)	/DF	S 20080401/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 (2,5)	/ED	S L1 AND ED>1 JAN 2007	ED
Entry Date New Patent Family (2)	/EDF	S 20070321/EDF	EDF
Entry Date new publication and/or New Legal Status (2)	/EDLS	S EDLS=20080320	not displayed
Entry Date Patent (2,5)	/EDP	S 20080225/EDP	EDP
Entry Date Priority (2,5)	/EDPR	S 2008 FEB/EDPR	PRAI
EPO Simple Family Number Count (2)	/FCNT	S FCNT>=3	FSTAT
Entry Week (INPADOC) (2,6)	/EW	S 200816/EW	EW
Field Availability	/FA	S L7 AND AB/FA	FA
Filing Details	/FDT	S DED1/FDT	FDT

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
IPC (contains ICM and ICS), Version 1-7 (7)	/IC	S C07H019-16/IC	IC
IPC, Version from IC	/IC.VER	S 7/IC.VER AND L5	IC.VER, IC
IPC, Additional (supplementary) Version 1-7 (7)	/ICA	S A61K037-64/ICA	ICA
IPC, Index (complementary) Version 1-7 (7)	/ICI	S (C12P019-40(L)C12R001:465)/ICI	ICI
IPC, Main, Version 1-7 (7)	/ICM	S C23C0001-08/ICM	ICM
IPC, Secondary (7)	/ICS	S C12P0019-40/ICS	ICS
Inventor	/IN (or /AU)	S NICKOLA RICHARD?/IN	IN
Inventor Address	/INA	S HEIDELBERG/INA	INA
Inventor, Country (WIPO code an text)	/IN.CNY	S GB/IN.CNY	INS
Inventor INPADOC Standard	/INS	S AGARWAL S?/INS	INS
International Patent Classification (contains ICM, ICS, ICA, ICI, IPCI, IPCR)	/IPC	S H05B0006-36+NT/IPC S H05B0006-36-H05B0006-44/IPC	IC, ICA, ICI, ICM, ICS, IPCI, IPCR
IPC, Action Date	/IPC.ACD	S 13 JAN 2006/IPC.ACD	IPC.TAB
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
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 /FTERM, FTCLS, 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
Locarno Classification	/LCL	S 3001/LCL	LCL
Other National Classifications (10)	/OCL	S 81C,27/OCL	OCL
Patent Assignee (8)	/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, Country	/PA.CNY	S GB/PA.CNY	PAS
Patent Assignee INPADOC Standard	/PAS	S INLAND STEEL CO?/PAS S (BROWN(S)TOBACCO)/PAS	PAS
Patent Country (WIPO code and text)	/PC	S DE/PC AND IBM/PAS AND 1988/PY	PI
Patent Country, Basic	/PC.B	S US/PC.B	PI.B
Publication Date (2)	/PD	S 19990104/PD	PI
Publication Date, Basic (2)	/PD.B	S 20010101-20010131/PD.B	PI.B
Patent Information Publication Type	/PIT	S ARA1/PIT	PIT
Patent Kind Code	/PK	S ZWA1/PK	PI
Patent Kind Code, Basic	/PK.B	S JPA/PK.B	PI.B
Patent Number (3)	/PN	S FI990202U/PN	PI
Patent Number, Basic (3)	/PN.B	S AP135/PN.B	PI.B
Patent Number/Kind Code	/PNK	S WO2009006253A2/PNK	PNK
Patent Number, Basic/Kind Code	/PNK.B	S AP109A/PNK.B	PI.B
Priority Kind Text	/PRAIT	S ARA PATENT APPLICATION/PRAIT	PRAIT
Priority Country (WIPO code and text)	/PRC	S JP/PRC AND 19880101/PRD	PRAI
Filing Country for PCT Priorities (WIPO code and text)	/PRC.WO	S DE/PRC.WO	PRAI
Priority Date (2)	/PRD	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

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Priority Number (3)	/PRN	S US1990-184420/PRN	PRAI
Priority Number Count (2)	/PRCNT	S 6-7/PRCNT	FSTAT
Priority Year (2)	/PRY	S 1998/PRY AND US/PRC	PRAI
Priority Year, First (2)	/PRYF	S GB/PC AND 1998/ PRYF	PRAI
Publication Year (2)	/PY	S 1999/PY	PI
Publication Year, Basic (2)	/PY.B	S 1999/PY.B	PI.B
Reference Count	/REC (or /RE.CNT)	S 8/REC	REC
Referenced Non-Patent Literature	/REN	S MAYER/REN	REN
Non-Patent Literature XP-Document Number	/REXP	S XP002235691/REXP	REXP
Referenced Patent Country	/RPC (or /PC.D)	S WO/RPC	RE, REP
Referenced Patent Date	/RPD (or /PD.D)	S 19730919/RPD	REP
Referenced Patent Kind Code	/RPK (or /PK.D)	S EPA/RPK	REP
Referenced Patent Number	/RPN (or /PN.D)	S EP1234567/RPN	REP
Referenced Patent Year	/RPY (or /PY.D)	S 2010/RPY	REP
Search Report Office (WIPO code and text)	/SRO	S CH/SRO	REP
Origin of Citation	/SRT	S EXA/SRT	REN, REP REXP
Patent Status	/STA	S GRANTED/STA AND LASER/TI	STA
Title*	/TI	S (APPARAT? (S) SMOKE (S) FILTER#)/T	TI
Title Language (ISO code and text)	/TL	S EN/TL S ENGLISH/TL	TL
Update Date (2)	/UP	S L1 AND UP>20070102	UP
Update Date for combined or split Patent Family (9)	/UPFC	S UPFC=OCT 2009	UPALL
Update Date of the BIB fields (2)	/UPBB	S L1 AND UPBB>20070222	UPALL
Update Date Classifications (2)	/UPCC	S L1 AND UPCC>20070222	UPALL
Update Date Patent Family (2) (All Updates)	/UPFA	S 20070329/UPFA	UPALL
Update Date Patent Family Bibliographic (2)	/UPFB	S 20070215/UPFB AND L7	UPALL
Update Date New Patent Family Record (2)	/UPFD	S 20070215/UPFD	UPALL
Update Date New Publication and/or Legal Status Changes of the family (2)	/UPFE	S 20070321/UPFE	UPALL
Update Date Patent Family Legal Status (2)	/UPFL	S 20070321/UPFL	UPALL
Update Date Patent Family Publication Level (2)	/UPFP	S 20070222/UPFP	UPALL
Update Date Legal Status (2)	/UPLS	S UPLS=20080124	LS, LSUP
Update Date All Patent Changes (2)	/UPM	S L1 AND 20070222/UPM	not displayed
Update Week (INPADOC Week) (2)	/UW	S UW=200815	UW
US National Classification, Current	/NCL	S 548/374.100/NCL S 548374100/NCL	NCL
US National Classification, Current (main)	/NCLM	S 800320000/NCLM	NCL
US National Classification, Current (secondary)	/NCLS	S 047/058.10R/NCLS S 04705810R/NCLS	NCL

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
US National Classification, Issued	/INCL	S 455289000/INCL	INCL
US National Classification, Issued (main)	/INCLM	S 455289000/INCLM	INCL
US National Classification, Issued (secondary)	/INCLS	S 455289000/INCLS	INCL

- (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 format or Derwent format may be used.
- (4) For German Utility Models: Advertisement of registration.
- (5) Available since 2007.
- (6) Available since week 200641.
- (7) Search in IPC8 format also available.
- (8) Search with implied (S) proximity is available.
- (9) Available since September 2009.
- (10) Selected coverage for DE, GB, CH, CA, AT, SE, DK, BR, MX, AU, ES, NL.
- (11) No expand is available in this field. A special search edit triggers a search in /CPC combined with (T) proximity and CPC.KW, e.g., S A61K0009/CPC.CS is searched as (A61K0009/CPC (T) COMBINATION SET/CPC.KW)

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 2008	not displayed
Entry Week Legal Status	/EWLS	S 200641-200642/EWLS	LS2
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 NIF/LSC2	LS
Legal Status Code Country (WIPO code and text)	/LSCC	S BE/LSCC	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 2002	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	LS
Legal Status IPC	/LSIC	S 41J320/0/LSIC	LS
Legal Status Patent Inventor	/LSIN	S MAYER, BERND/LSIN S (MAYER(S)BERND)/LSIN	
Legal Status Represen./Agent	/LSAG	S (LORENZ AND PHILIPPS)/LSAG	LS
Legal Status Code Text	/LSTX	S CORRECTION/LSTX	LS
Legal Status Patent Assignee (2)	/LSPA	S (MAN CERAMICS)/LSPA	LS
Legal Status Patent Opponent	/LSOP	S SIEMENS AG/LSOP	LS
Legal Status EP Payment Year (1)	/LSPMY	S 6/LSPMY	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 ES00/LSPK	LS
Legal Status Publication Number	/LSPN	S EP200212/LSPN	LS
Legal Status Publication Year (1)	/LSPY	S 1999-2000/LSPY	LS
Legal Status SPC Number	/LSSPC	S EU/1/00/137/001/LSSPC	LS
Legal Status SPC, Expiry Date (1)	/LSSPC.XD	S LSSPC.XD>2005	LS
Legal Status SPC, Extension Date (1)	/LSSPC.EX	S 20010910/LSSPC.EX	LS
Legal Status SPC, Filing Date (1)	/LSSPC.FD	S 19950101-19961231/LSSPC.FD	LS
Update Legal Status (1)	/UPLS	S 20040806/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 multifile 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	/INSS	/IN, /INS, /LSIN	S MEIE/INSS	IPC
US National Classification	/NCLALL	/NCL, /INCL	S 901014000/NCLALL	NCL, INCL
Patent Assignee Group (2)	/PASS	/PA, /PAS, /LSPA	S FOOD AUTOMAT?/PASS	PI
Patent Number Group (1)	/PATS	/PN, /RPN	S WO1989004114/PATS	PI, REP
Patent Countries	/PCS	/PC, /DS	S DE/PCS	PI, DS

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

(2) Search with implied (S) proximity is available in this field.

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

The 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.

US National Patent Classification (/NCL, /INCL) Thesaurus

The US National Patent Classification thesaurus is available online in the fields /NCL and /INCL. All relationship codes can be used with both the EXPAND and SEARCH commands.

Relationship Code	Content	Search Examples
ALL AUTO (1) BT CODE DEF HIE KT MAX	All usually required terms (BT, SELF, DEF, NT) Automatic relationship (BT, SELF, DEF, NT) Broader Terms (BT, SELF) Classification Code (SELF, CODE) Definition (SELF, DEF, DEF2, DEF3, DEF4) Hierarchy Terms (BT, SELF, DEF, NT) Keyword Terms (SELF, KT) All associated Terms (BT, SELF, DEF, DEF2, DEF3, DEF4, NT, KT)	E 257E21685+ALL/NCL E 02416300R+AUTO/NCL E 02416300R+BT/NCL E APPAREL+CODE/NCL E G9B031001+DEF/NCL E 23548700+HIE/NCL E APPAREL+KT/NCL E G9B031000+MAX/NCL
NEXT NEXT(n) NT PREV PREV(n) TI	Next classification within the same class Next n classifications within the same class Narrower Terms (SELF, NT) Previous Code within the same class Previous n classifications within the same class Complete title including Broader Terms (SELF, BT, DEF (BT))	E G9B033035+NEXT/NCL E G9B033035+NEXT2/NCL S 257E21685+NT/NCL E 235462260+PREV/NCL E 235462260+PREV3/NCL E 052002110+TI/NCL

(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 display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g. 'D L1 1-5 FAM MFAM. The fields are displayed or printed in the order requested. The content for some fields and formats is de-duplicated in INPAFAMDB. Depending on the content the de-duplicated display for a single field is charged with the full family price, when the family information for this field is displayed in full.

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

You can combine all display fields and all display formats with suffices (will be charged as a full family display):

.B	shows the earliest publication (basic)
.F (or .M)	display the content for all family members
.H	shows only the publications where a HIT of a search occurs
.P	shows the latest publication
.U	shows the latest updated publication(s)

The default format is the new format BRIEF with de-duplicated content of the fields TI, INS, PAS, IPCI, IPCR, NCL, INCL, FTRM, FCL, LCL, (IN, PA when INS, PAS is not available) 1 selected English abstract and a patent family table of PI, AI and PRAI.

The English abstract is either from EP, US, WO, GB, another English equivalent abstract or one original language abstract.

An overview of special family formats (details of the formats see below)

Dedup. FAMILY formats	.B earliest publ.	.F (=M) complete family	.H publ. with HIT *)	.P latest publ.	.U latest update
BRIEF (default)					
BIB	BIB.B	BIB.F	BIB.H	BIB.P	BIB.U
IBIB	IBIB.B	IBIB.F	IBIB.H	IBIB.P	IBIB.U
STD	STD.B	STD.F	STD.H	STD.P	STD.U
ALL	ALL.B	ALL.F	ALL.H	ALL.P	ALL.U
ALLO	ALLO.B	ALLO.F	ALLO.H	ALLO.P	ALLO.U
IALL	IALL.B	IALL.F	IALL.H	IALL.P	IALL.U
IND	IND.B	IND.F	IND.H	IND.P	IND.U
	MAX.B	MAX.F	MAX.H	MAX.P	MAX.U
	MAXO.B	MAXO.F	MAXO.H	MAXO.P	MAXO.U
	IMAX.B	IMAX.F	IMAX.H	MAXO.P	IMAX.U
	PI.B	PI.F	PI.H	PI.P	PI.U
	PI.PDF.B	PI.PDF.F	PI.PDF.H	PI.PDF.P	PI.PDF.U
	TIPI.B	TIPI.F	TIPI.H	TIPI.P	TIPI.U
		TI.F	TI.H		

*) Displays data of all family members and/or legal status (in MAX-formats) with HIT terms.

DISPLAY and PRINT Formats

(DE-DUP= De-duplicated family content)

Family related Display Formats	DE-DUP (D)	Definition	Examples
BRIEF	D	TI, INS, PAS, IPCI, IPCR, CPC, NCL, INCL, FTRM, FCL, LCL, (IN, PA when INS, PAS not available) 1 selected English abstract and a patent family table of PI, AI, and PRAI (BRIEF is the default)	D BRIEF
BRIEFG	D	BRIEF, plus one image of the INPADOC family	D BRIEFG
BRIEFGI	D	BRIEF, plus all images of the INPADOC family	D BRIEFGI
ABS	-	AN, AB, ABDE, ABES, ABFR, ABOL	D ABS
ALL (1)	D	BIB, AB, IND, FA, CHG	D ALL 6
ALLG	D	ALL, plus one image of the INPADOC family	D ALLG
ALLO	D	ALL, plus data in original characters (UTF-8)	D ALLO
IALL (1)	D	ALL, indented with text labels	D IALL L3 7
IALLG	D	IALL, plus one image of the INPADOC family	D IALLG
BIB (1)	-	AN, EDF, EWF, UPFB, UWF, UPFC, DN, TI, TL, IN, INS, INA, PA, PAS, PAA, DT, LA, LAF, PI, PIT, DAV, STA, DF, DS, XS, AI, AIT, PRAI, PRAIT, XPD, REC	D BIB
BIB (1)	D	AN, EDF, EWF, UPFB, UWF, UPFC, DN, TI, INS, PAS, PI, AI, PRAI, REC	D BIB
IBIB (1)	D	BIB, indented with text labels	D 5 IBIB
IND	D	AN, ED, EW, UP, UW, IPC, CPC, NCL, INCL, FTRM, FCL, LCL, OCL	D L5 IND
MAX (1)	-	BIB, ABS, RE, CGP, IND, FA, LS, CHG, SFN for all family members	D MAX
MAXG	-	MAX, plus all images of the INPADOC family	D MAXG
IMAX (1)	-	MAX, with indented text labels	D IMAX
IMAXG	-	IMAX, plus all images of the INPADOC family	D IMAXG
MAXO (1)	-	MAX, plus data in original characters(UTF-8) or formats	D MAX
MAXO2 (1)	-	MAXO, plus display of special characters in the abstract	D MAXO2
STD (1)	D	BIB, IND	D STD
STDG	D	STD, plus one image of the INPADOC family	D STDG
IC	-	International Patent Classification (ICM, ICS)	D IC
IPC	-	all IPC information for the family IC, IPCI, IPCR	D IPC
PATS (1)	-	Patent Number Group (PI, REP)	D PATS
UPALL	-	Table of update dates (AN, UPFC, UPFB, UPFD, EDF, DN, EDB, UP, ED, CHG)	D UPALL
TIPI (1)	-	TI + PI for all patent family members	D TIPI
PILS (1,4)	-	PI + LS for all patent family members	D PILS
RE	-	Cited References (REP, REXP, REN)	D RE
PIRE (1)	-	PI + RE for all patent family members	D PIRE
BIBLS (1)	-	BIB + LS for all patent family members	D BIBLS
CFAM (1)	-	Condensed FAM with only PI in the table	D CFAM
CFAM2 (1)	-	Display for the condensed family table PI, AI, PRAI	D CFAM2
CITN	-	RE + CGP for all patent family member	D CITN
DFAM (1)	-	FAM, delimited for post processing	D DFAM
DFAM.AD	-	DFAM, sorted by Application Date	D DFAM.AD
DFAM.AP	-	DFAM, sorted by Application Number	D DFAM.AP
DFAM.PD	-	DFAM, sorted by Patent Date	D DFAM.PD
DFAM.PN	-	DFAM, sorted by Patent Number	D DFAM.PN
DFAM.PRD	-	DFAM, sorted by Priority Date	D DFAM.PRD
EFAM (1)	-	FAM, but the priority information constitutes the header	D EFAM
EFAM.PRD	-	EFAM, sorted by Priority Date	D EFAM.PRD
FAM (1)	-	AN, table of patent family information	D FAM
FAM.PRD	-	AN, table of patent family information, sorted by Priority Date	D FAM.PRD
FAM2 (1)	-	AN, table of patent family information, another order	D FAM2
FAMLS (1)	-	Comprises the family table CFAM2 plus a list of all legal status entries, sorted by legal status date LSD	D FAMLS
FFAM (1)	-	STD + LS for each member of the family	D FFAM
FFAMG	-	FFAM, plus all images of the INPADOC family	D FFAMG

DISPLAY and PRINT Formats (cont'd) (DE-DUP= De-duplicated family content)

Family related Display Formats	DE-DUP (D)	Definition	Examples
FFAM.PC (1,2) IFAM (1) IFAM2 IFAMG LFAM (1) MFAM (1) MFAMG MFAM.PC (1,2) PI.PDF (1) PICITN SFAM (1) SCAN (3)	- - - - - - - - - - -	FFAM for a specified country only Combines indented FAM and IMAX.F IFAM, without abstract, classification and citation IFAM, plus all images of the INPADOC family AN, PI, LSUP for all members of a patent family MAX for each family member MFAM, plus all images of the INPADOC family MAX for each family member for a specific country only Patent family PI information plus hyperlinks to the original documents (pdf) in espacenet PI + CITN for all patent family member Display of the EPO 'simple patent family' (SFN) within the INPADOC patent family table TI latest publication (random display without answer number)	D FFAM.US D IFAM D IFAM2 D IFAMG D LFAM D MFAM D MFAMG D MFAM.EP D PI.PDF D PICITN D SFAM D SCAN
TRIAL (TRI, FREE, SAMPLE, SAM)	D	one TI (TIEN), IPCI, IPCR, CPC, NCL, INCL, FTRM, FCL, LCL, FA	D TRIAL 5

- (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 = all patent countries.
- (3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.
- (4) In format PILS legal status is displayed without the information PRI, APP, and PUB.

DISPLAY Fields

If a single field name is entered, either the de-duplicated content or the full family information for this field will be displayed (and in this letter case the field will be charged with the full family price)

Display Fields	DE-DUP	Definition	Examples
AB	D	Abstract in English	D AB
ABDE	D	Abstract in German	D ABDE
ABES	D	Abstract in Spanish	D ABES
ABFR	D	Abstract in French	D ABFR
ABOL	D	Abstract in Other Language	D ABOL
ABOR	D	Abstract in original character codes (UTF-8)	D ABOR
AI (1)	-	Application Information	D AI
AIO	-	Application Number, Original	D ALLO
AIT	D	Application Kind Code Text	D AIT
AL	-	Abstract Language	D ABS
AN	-	Accession Number	D AN
APPS (1)	-	Application Number Group	D APPS
AS	-	Abstract Source	D ABS
CGP	-	Citing Patent Information	D CGP
CHG	-	Changes (Indicator for changes in the last update)	D CHG
CPC	-	Cooperative Patent Classification	D CPC
DAV	-	Data Availability	D DAV
DF	-	Date in Force	D DF
DN	-	INPADOCDB Document Number (INPADOCDB AN)	D DN
DS	-	Designated States	D DS
DT (TC)	-	Document Type	D DT
ED	D	Entry Date	D 1-5 ED UP
EDP	-	Entry Date Patent	D EDP
EW	D	Entry Week	D EW
FA	D	Field Availability	D FA

DISPLAY Fields (cont'd)

Display Fields	DE-DUP	Definition	Examples
FCL (JPC)	D	Japanese Patent Classifications (FI-Terms)	D FCL
FDT	D	Filing Details	D FDT
FTRM (FTERM, FTCLA, JPCLA)	D	Japanese Patent Classifications (F-Terms)	D FTRM
GI	-	All graphic images of the INPADOC family	D GI
ICA	D	IPC, Additional (supplementary)	
ICI	D	IPC, Index (complementary)	
ICM	D	IPC, Main	D ICM L7
ICS	D	IPC, Secondary	
IC.V	D	IPC Version (Version 1-7)	D IPC
IN	D	Inventor	
INA	D	Inventor Address	
IN.CNY	-	Inventor, Country	
INCL	D	US National Classification, Issued	D INCL
INCLM	D	US National Classification, Issued (main)	
INCLS	D	US National Classification, Issued (secondary)	
INO	-	Inventor, Original	D ALLO
INS	D	Inventor INPADOC Standard	
IPCI	D	IPC, Initial	D IPCI
IPCR	D	IPC, Reclassified	D IPCR
LA	D	Language	
LAF	D	Language of Filing	D LAF
LCL	D	Locarno Classification	D LCL
NCL	D	US National Classification, Current	D NCL
NCLM	D	US National Classification, Current (main)	D NCL
NCLS	D	US National Classification, Current (secondary)	D NCL
OCL	D	Other National Classifications	D OCL
PA (CS)	D	Patent Assignee	D PA TI 1-10
PAA	-	Patent Assignee Address	
PA.CNY	-	Patent Assignee, Country	
PAS	D	Patent Assignee INPADOC Standard	
PAO	-	Patent Assignee, Original	D ALLO
PI (PN) (1)	-	Patent Information	D PI
PI.B (PN.B)	-	Patent Information, Basic	D PI.B
PIT	-	Patent Information Publication Type	D PIT 1-5
PNC.G	-	Citing Patent Number Count	D PNC.G
PNK	-	Patent Number/Kind Code	D PNK
PRAI (PRN) (1)	D	Priority Information	
PRAIT	D	Priority Kind Text	D PRAIT
PRAO	-	Priority Application Number, Original	D ALLO
REAI	-	Referenced Application	D REAI
REC (RE.CNT)	D	Reference Count	D REC
REN (NPL)	D	Referenced Non-Patent Literature	D REN
REP	D	Referenced Patents	D REP
REXP	D	Non-Patent Literature XP-Document Number	D REXP
STA	-	Status	D STA
TI	D	Title	D TI
TL	D	Title Language	D TL
UP	D	Update Date	
UW	D	Update Week (INPADOC Week)	
XPD	-	Calculated Expiration Date	D XPD
XPY	-	Calculated Expiration Year	D XPY
HIT	-	Hit term(s) and field(s)	D HIT
KWIC	-	Up to 50 words before and after hit term(s) (KeyWord-In-Context)	D KWIC
OCC	-	Number of occurrences of hit term(s) and field(s) in which they occur	D OCC

(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.

Default sorting within the Patent Family Display Formats

Format	Default sorted by
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)

Define the sorting within the Patent Family Display Formats

You can define the sort parameter in family display formats. Depending on the formats used, options are priority date (.PRD), publication date (.PD), patent number (.AP), application date (.AD). The following combinations are available.

Format	Sorted by Parameter
FAM.PRD	Priority Date
CFAM.PD	Publication Date
DFAM.PRD	Priority Date
DFAM.AP	Application Number
DFAM.AD	Application Date
DFAM.PN	Patent Number
DFAM.PD	Patent/Publication Date
EFAM.PRD	Priority Date

UPDATE and SDI UPDATE CODES (for SDI also)

Update codes or entry dates associated with records

Field Name	Search Code	Search Examples	Display Code
Entry Date	/ED	S L1 AND ED>DEC 2006	ED
Entry Date + Legal Status Update	/EDLS		
Entry Date Patent	/EDP	S 20061026/EDP	EDP, UPALL
Entry Date Priority	/EDPR		PRAI
Update Date	/UP	S 20070102/UP	LS
Update Date of the BIB fields	/UPBB	S L1 AND UPBB>20070222	UPALL
Update Date Classifications	/UPCC	S L1 AND UPCC>20070222	UPALL
Update Legal Status	/UPLS	S 20070222/UPLS	LS
All updates of a record	/UPM	S 20070215/UPM	not displayed
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 (1)	/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

Family Display and Print Formats – Weekly SDI

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

Family Display and Print Formats – Monthly SDI

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

(2) PC = AR, AT, AU, BE, BR, CA, CH, CN, DE, DK, ES, FI, FR, GB, IL, IT, KR, MX, NL, NO, RU, SE, TW, US, WO

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).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract in English	AB	Y	Y
Abstract in French	ABFR	Y (2)	Y
Abstract in German	ABDE	Y (2)	Y
Abstract in Other Language	ABOL	Y (2)	Y
Abstract in Spanish	ABES	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 Count	ACNT	Y	N
Application Number Group	APPS	Y (3,4)	N
Application Year	AY	Y	Y
Calculated Expiration Date	XPB	Y	Y
Calculated Expiration Year	XPY	Y	Y
Changes (Indicator for the changes in the last update)	CHG	Y	N

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Cited Application Country	AC.D	Y	N
Cited Application Kind Code	AK.D	Y	N
Cited Application Number	AP.D	Y	N
Citing Patent Country	PC.G	Y	N
Citing Patent Number	PN.G	Y	N
Citing Patent Number Count	PNC.G	Y	N
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
EPO Simple Family Member Count	FCNT	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
IPC, Additional (supplementary)	ICA	Y	Y
IPC, Advanced Level Symbols	IPC.A	Y (5)	N
IPC, Advanced Level Symbols for Invention	IPC.AI	Y (5)	N
IPC, Core Level Symbols	IPC.C	Y (5)	N
IPC, Core Level Symbols for Invention	IPC.CI	Y (5)	N
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 (FI-Terms)	FCL	Y	N
Japanese Patent Classification (F-Terms)	FTRM	Y	N
Language	LA	Y	Y
Language of Filing	LAF	Y	Y
Locarno Classification	LCL	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 EP 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
Other National Classifications	OCL	Y	Y
Patent Assignee	PA (CS)	Y	Y
Patent Assignee, Country	PA.CNY	Y	Y
Patent Assignee Address	PAA	Y	Y
Patent Assignee INPADOC Standard	PAS	Y	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Patent Number Group	PATS	Y (3,6)	Y
Patent Number/Kind Code	PNK	Y	N
Patent Number, Basic/Kind Code	PNK.B	Y	N
Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006 to the present	IPC.F	Y (5)	Y
Patent Country	PC	Y	Y
Patent Country, Basic	PC.B	Y	N
Patent Information Publication Type	PIT	Y	Y
Patent Kind Code	PK	Y	Y
Patent Kind Code, Basic	PK.B	Y	N
Patent Number	PN (PI)	Y (3)	N
Patent Number, Basic	PN.B (PI.B)	Y	Y
Priority Country	PRC	Y	Y
Priority Country, First	PRCF	Y	Y
Priority Country, First of PCT Priorities	PRCF.WO	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 Count	PRCNT	Y	N
Priority Year	PRY	Y	Y
Priority Year, First	PRYF	Y (7)	Y
Publication Date	PD	Y	Y
Publication Date, Basic	PD.B	Y	Y
Publication Year, Basic	PY (PY.B)	Y	Y
Publication Year from all patent family member	PY.M	Y	N
Reference Count	REC (RE.CNT)	Y	N
Referenced Non-Patent Literature	REN	Y	Y
Referenced Non-Patent Literature XP-Document Number	REXP	Y	Y
Referenced Patent Country	RPC (PC.D)	Y	N
Referenced Patent Date	RPD (PD.D)	Y	N
Referenced Patent Kind Code	RPK (PK.D)	Y	N
Referenced Patent Number	RPN (PN.D)	Y	N
Referenced Patent Year	RPY (PY.D)	Y	N
Referenced Patents	REP	Y	Y
Referenced Patent Country	RPC	Y	N
Title	TI	Y (default)	Y
Title Language	TL	Y	Y
Update Date	UP	Y	N
Update Week	UW	Y	N
US National Classification, Current	NCL	Y	Y
US National Classification, Current (main)	NCLM	Y	N
US National Classification, Current (secondary)	NCLS	Y	N
US National Classification, Issued	INCL	Y	Y
US National Classification, Issued (main)	INCLM	Y	N
US National Classification, Issued (secondary)	INCLS	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.

INPAFAMDB

Sample Records

DISPLAY BRIEF (default)

AN 10953655 INPAFAMDB UPFB 20120719 UWF 201252

TI SKID STEER LOADER VEHICLE.
 - Skid steer loader vehicle with front and rear ground propellers driven by transmissions for propelling and steering.
 - Skid steer loader.

INS BAMFORD JOSEPH CYRIL, CH; BAMFORD JOSEPH CYRIL

PAS BAMFORD JOSEPH CYRIL, CH
 - BAMFORD JOSEPH CYRIL
 - JCB SPECIAL PRODUCTS LTD
 - BAMFORD JOSEPH C

IPCI E02F0009-20 [I,A]; B60K0017-04 [I,A]; E02F0009-08 [I,A];
 E02F0003-34 [I,A]; B62D0011-06 [I,A]

IPCR B60K0017-04 [I,A]; B60K0017-10 [N,A]; B60K0017-342 [N,A];
 B60K0017-356 [N,A]; B62D0011-06 [I,A]; B62D0021-18 [I,A];
 B62D0049-02 [I,A]; E02F0003-28 [I,A]; E02F0003-34 [I,A];
 E02F0009-08 [I,A]; E02F0009-16 [I,A]

CPC E02F0009-0808; B60K0017-04; B60K0017-105; B60K0017-342; B60K0017-356;
 B62D0021-186; B62D0049-02; E02F0003-283; E02F0009-16; E02F0009-02;
 E02F0009-0816

NCL NCLM 414/685.000
 NCLS 180/006.200; 180/006.480

INCL INCLM 414/685.000
 INCLS 280/006.200; 280/006.480

AB (US 5964567 A)
 A skid steer loader vehicle comprising a body having a front end and a rear end and provided with first and second ground engageable propulsion wheels respectively disposed on opposite sides of the vehicle and in which the first and second propulsion wheels are driven by first and second transmission systems respectively to permit the vehicle to be propelled and steered by driving the propulsion wheels on one side of the vehicle independently from the propulsion wheels on the other side of the vehicle, an operator's compartment and a boom assembly, the boom assembly having, at an outer end thereof, connecting structure for connecting a material handling implement to the boom assembly and an inner end of the boom assembly being pivotally mounted on the body, adjacent the rear end of the body, for movement between a raised position and a lowered position in which the boom assembly extends forwards alongside the operator's compartment and the material handling implement is disposed forward of the front end of the body and a transmission case, disposed on one side of the vehicle, having therein said first and second transmission systems.

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
CA 2269535	A1 19990304	CA 1998-2269535	A 19980819
CA 2269535	C 20061128		
DE 69809877	D1 20030116	DE 1998-69809877	A 19980819
DE 69809877	T2 20030424		
EP 932729	A1 19990804	EP 1998-946379	A 19980819
EP 932729	B1 20021204		
ES 2191338	T3 20030901	ES 1998-946379	T 19980819
FR 2767507	A1 19990226	FR 1998-3145	A 19980313
FR 2767507	B1 19991231		
GB 9717892	D0 19971029	GB 1997-17892	A 19970823
GB 9802685	D0 19980401	GB 1998-2685	A 19980210
GB 2328429	A 19990224		
GB 2328429	B 20001011		
JP 2001509225	A 20010710	JP 1999-513909	A 19980819

JP 3972962B	B2 20070905		
US 5964567	A 19991012	US 1998-21250	A 19980210
WO 9910606	A1 19990304	WO 1998-EP5263	W 19980819

+----- Priorities -----+

WO 1998-EP5263	W 19980819
GB 1997-17892	A 19970823
GB 1998-2685	A 19980210

3 priorities, 10 applications, 17 publications (2 EPO simple families)

DISPLAY FAM

PATENT FAMILY INFORMATION

AN 10953655 INPAFAMDB

+-----PRAI-----+		+-----AI-----+	
WO 1998-EP5263	W 19980819	CA 1998-2269535	A 19980819
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		EP 1998-946379	A 19980819
		JP 1999-513909	A 19980819
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		ES 1998-946379	T 19980819
		FR 1998-3145	A 19980313
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EP 1998-946379	A 19980819	DE 69809877	D1 20030116
ES 1998-946379	T 19980819	DE 69809877	T2 20030424
FR 1998-3145	A 19980313	EP 932729	A1 19990804
		EP 932729	B1 20021204
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		GB 2328429	A 19990224
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US 1998-21250	A 19980210	US 5964567	A 19991012
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3 priorities, 10 applications, 17 publications (2 EPO simple families)

INPAFAMDB

DISPLAY MFAM.WO

MEMBER 10

AN 10953655 INPAFAMDB UW 201252
 DN 15060262
 TI SKID STEER LOADER VEHICLE.
 VEHICULE DE CHARGEMENT A DIRECTION PAR GLISSEMENT.
 TL English; French
 IN BAMFORD, JOSEPH, CYRIL
 INS BAMFORD JOSEPH CYRIL, CH
 PA BAMFORD, JOSEPH, CYRIL
 PAS BAMFORD JOSEPH CYRIL, CH
 DT Patent
 PI WO 9910606 A1 19990304
 PIT WO/1 INTERNATIONAL APPLICATION PUBLISHED WITH INTERNATIONAL SEARCH REPORT
 FDT WO100000 With international search report;
 WO030000 Before expiration of time limit for amending the claims and to
 be republished in the event of the receipt of the amendments
 DAV 19990304 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS W: CA JP
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 AI WO 1998-EP5263 W 19980819 English
 AIT WOW International application Number
 PRAI GB 1997-17892 A 19970823 (GBA, 20071018, Y)
 GB 1998-2685 A 19980210 (GBA, 20071018, Y)
 PRAIT GBA Patent application
 REP EP 443830 B1 19941123 (ISR(EP), pat, Cat: AD)
 BAMFORD EXCAVATORS LTD, GB
 US 4055262 A 19771025 (ISR(EP), pat, Cat: AD)
 CLARK EQUIPMENT CO
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 US 3810517 A 19740514 (ISR(EP), pat, Cat: A)
 SPERRY RAND CORP
 WO 9305974 A1 19930401 (ISR(EP), pat, Cat: A)
 POWER RESEARCH AND DEV PTY LTD, AU
 US 4055262 A 19771025 (APP, pat)
 CLARK EQUIPMENT CO
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 BAMFORD EXCAVATORS LTD, GB
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 CGP GB 2477760 A 20110817 [WO9910606A1 (SEA, pat)]
 BAMFORD EXCAVATORS LTD, GB
 PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
 IC.V 6
 ICM E02F009-20
 ICS E02F009-08; B60K017-04
 IPCR B60K0017-04 [I,A]; B60K0017-10 [N,A]; B60K0017-342 [N,A];
 B60K0017-356 [N,A]; B62D0011-06 [I,A]; B62D0021-18 [I,A];
 B62D0049-02 [I,A]; E02F0003-28 [I,A]; E02F0003-34 [I,A];
 E02F0009-08 [I,A]; E02F0009-16 [I,A]
 CPC E02F0009-0808; B60K0017-04; B60K0017-105; B60K0017-342; B60K0017-356;
 B62D0021-186; B62D0049-02; E02F0003-283; E02F0009-16
 AB A skid steer loader vehicle (10) comprising a body having a front end
 (12) and a rear end (13) and provided with first (14) and second (17)
 ground engageable propulsion means respectively disposed on opposite
 sides of the vehicle and in which the first and second propulsion means

(14, 17) are driven by first and second transmission means (T1, T2) respectively to permit the vehicle to be propelled and steered by driving the propulsion means on one side of the vehicle independently from the propulsion means on the other side of the vehicle, the first and second transmission means mounted in one transmission case means (30) disposed on one side of the vehicle, an operator's compartment (39) and a boom assembly (67), the boom assembly having, at an outer end thereof, connecting means (71) for connecting a material handling implement to the boom assembly and an inner end of the boom assembly being pivotally mounted on the body (11), adjacent the rear end (13) of the body, for movement between a raised position and a lowered position in which the boom assembly extends forwards alongside the operator's compartment and the material handling implement is disposed forward of the front end (12) of the body.

AL English

AS national office

ABFR L'invention a pour objet un vehicule de chargement a direction par glissement (10), qui comprend une carrosserie possedant une partie avant (12) et une partie arriere (13) et qui est muni d'un premier (14) et d'un deuxieme systeme de propulsion (17) entrant en contact avec le sol, lesdits systemes etant disposes des cotes opposes du vehicule et etant entraines par un premier et par un deuxieme systeme de transmission (T1, T2), respectivement, ce qui permet de propulser le vehicule et de le diriger en le conduisant au moyen du systeme de propulsion de l'un des cotes du vehicule, independamment du systeme de propulsion installe de l'autre cote. Les premier et deuxieme systemes de transmission sont montes dans un seul et unique carter (30) place d'un cote du vehicule. Le vehicule comprend aussi un poste de conduite (39) et un ensemble bras (67), ce dernier possedant a l'une de ses extremités exterieures un systeme de connexion (71) destine a relier un outil de levage a l'ensemble bras, une extremité interieure de l'ensemble bras etant montee pivotante sur la carrosserie (11), pres de la partie arriere de la carrosserie (13); l'ensemble bras est ainsi concu pour se deplacer entre une position levee et une position abaissee, dans laquelle il se deploye vers l'avant le long du poste de conduite, l'outil de levage etant dispose devant la partie avant (12) de la carrosserie.

AL French

AS national office

FA AB; ABFR; AI; AN; DAV; CGP; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR; LAF; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 10953655 INPAFAMDB

19990304 WOAK + DESIGNATED STATES
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 19990304 WOAL + DESIGNATED COUNTRIES FOR REGIONAL PATENTS
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 AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 19990421 WOENP ENTRY INTO THE NATIONAL PHASE IN:
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 19990421 WOWWE + WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
 EP 1998946379
20080521
 19990422 WOENP ENTRY INTO THE NATIONAL PHASE IN:
 JP 1999 513909 A F
 19990526 WO121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
 DESIGNATED IN THIS APPLICATION
 19990804 WOWWP + WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
 EP 1998946379
20080521

INPAFAMDB

20021204 WOWWG + WIPO INFORMATION: GRANT IN NATIONAL OFFICE
 EP 1998946379
20080521

DISPLAY BIB RE

AN 38441986 INPAFAMDB EDF 20091015 EWF 200942 UPFB 20120607 UWF 201223
 TI Verfahren zur Beschichtung eines metallischen Substrats mit einer Schicht
 aus niedrig legiertem Stahl.
 - Method to coat a metallic substrate with low alloy steel layer.
 - Procède de revêtement d'un substrat métallique avec un revêtement a
 faible alliage d'acier.
 INS CHILDS CHRISTOPHER, GB; MARCHANT GEOFFREY, GB
 PAS SIEMENS AG, DE
 PI EP 2108476 A1 20091014
 AI EP 2008-7060 A 20080409
 PRAI EP 2008-7060 A 20080409 (EPA, 20091015, Y)
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 GEN ELECTRIC, US
 EP 1898048 A1 20080312 (SEA, pat, Cat: A)
 HITACHI LTD, JP
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 SHEPHERD ANDREW, GB; SIEMENS AG, DE; WALKER PAUL METHREW, GB
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 ROLLS ROYCE
 EP 1835189 A2 20070919 (APP, pat)
 GEN ELECTRIC, US
 GB 2052566 A 19810128 (APP, pat)
 ROLLS ROYCE
 REXP XP008053341 (SEA, Cat: Y)
 REN (1) NOWOTNY S: "BESCHICHTEN, REPARIEREN UND GENERIEREN DURCH
 PRAEZISIONS-AUFTRAGSCHWEISSEN MIT LASERSTRAHLEN//CLADDING, REPAIR, AND
 FREEFORMING BY BUILD-UP WELDING USING LASER IRRADIATION" VAKUUM IN
 FORSCHUNG UND PRAXIS, WILEY-VCH, WEINHEIM, DE, vol. 14, no. 1, 1 February
 2002 (2002-02-01), pages 33-37, XP008053341 ISSN: 0947-076X (SEA, Cat: Y)
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1 priority, 1 application, 1 publication (1 EPO simple family)

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