FullPat

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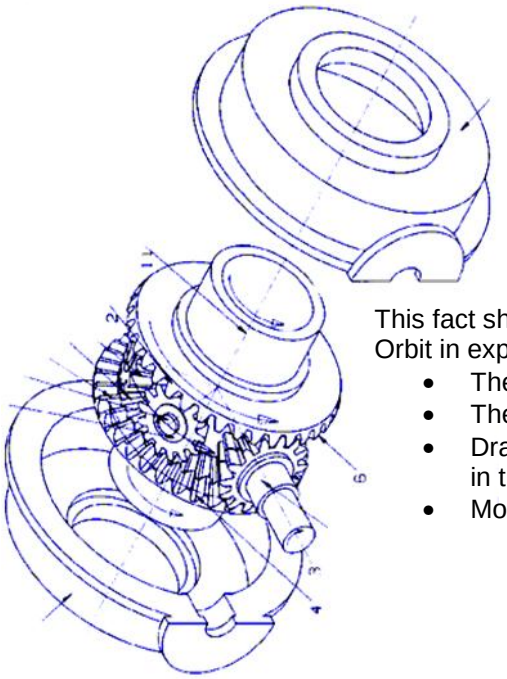

This fact sheet lists all of the available syntax and fields on Orbit in expert mode for:

- The Advanced Search wizard command line
- The Search History command line
- Drafting scripts in the Advanced Search wizard and in the Search History
- Modifying scripts in Saved Searches or Alerts

Contents

April 2017

Title, Abstract, Key Content

Basic Index /BI and Super-Abstract /SA

Search by	Index	Search Hints	Examples
Basic Index (BI) + Super-Abstract (SA)	/BI/SA (default)	If no other fields are specified, the search is conducted by default in the following fields: • English title-all stages of publication (ETIH) • French title-all stages of publication (FTIH) • German title-all stages of publication (GTIH) • Title in another language-all stages of publication (OTIH) • English abstract (EAB) • French abstract (FAB) • German abstract (GAB) • Abstract in another language (OAB) • English Index Words-FR publications only (IW) • Drug name-French publications only (MED) • Object of the patent (OBJ) • Advantages and drawbacks of the invention over prior art (ADB) • Independent Claims (ICLM) Search by : - Single terms using operators - Phrases using implied adjacency Truncation may be used. Left-hand truncation is available.	SPEECH RECOGNIZER? AND FREELY PIVOT+
Basic Index (Titles and Abstracts)	/BI	/BI restricts the search to the ETIH, FTIH, GTIH, OTIH, EAB, FAB, GAB, OAB, plus the IW, and MED fields.	(MEMORY MANAGEMENT AND SPEECH ???RECOGNIZER?) /BI
Super-Abstract Index (Key Content)	/SA	/SA restricts the search to 3 fields: OBJ, ADB and ICLM.	(PORTABLE AND MEASUR+ AND FLEXIB+ AND ACCELER+ AND FREELY PIVOT+) /SA

Details for fields in the BI and SA on next pages.

Basic Index (/BI) Details

Search by	Index	Search Hints	Examples
Title in English: Original, or official translation from the EPO or machine translation by Questel	/ETIH	English language machine translations are included for the following publications, and are replaced with the official English translations when available: WO, EP, BR, CN, DE, DK, ES, FI, FR, JP, KR, RU, SE, TH and TW. Search with single terms using Boolean or proximity operators and/or phrases using implied adjacency. Truncation may be used and left- hand truncation is available. /ETI restricts the search to English titles in the most recent publication stage.	(MEMORY AND SPEECH??) /ETIH
Original title in French	/FTIH	The French language title is available for the following patent authorities: EP, FR, WO, CA, BE, CH. Search in French with single terms using Boolean or proximity operators and/or phrases using implied adjacency. Truncation may be used and left-hand truncation is available /FTI restricts the search to French titles in the most recent publication stage.	(PALIER 1W ROULEMENT?) /FTIH
Original title in German	/GTIH	The German language title is available for the following patent authorities: DE, EP, AT, CH, WO, DD. Search in German with single terms using Boolean or proximity operators and/or phrases using implied adjacency. Truncation may be used and left-hand truncation is available. /GTI restricts the search to German titles in the most recent publication stage.	WALZLAGER? /GTIH
Original title in other languages	/OTIH	OTIH and OTI contain original titles published in a language other than English, French, or German.	
/TI simultaneously searches the ETIH, FTIH, GTIH and OTIH fields. The title displayed in the TI field is from the most recent publication stage in the preferred language.			
Index Words	/IW	English language Index Words for French patent documents from 1987 through 2009. Single terms using Boolean or proximity operators, phrases using implied adjacency. Use truncation.	STACK SUPPORT /IW +LOADING /IW

Basic Index (/BI) Details (cont'd)

Search by	Index	Search Hints	Examples
English abstract: Original, or official translation from the EPO or machine translation by Questel	/EAB	Machine translation is provided for the following authorities: WO, EP, BR, CN, DE, DK, ES, FI, FR, JP, KR, RU, SE, TH and TW, and is replaced by the official version when available. Search in English with single terms using operators and/or phrases using implied adjacency. Truncation may be used and left-hand truncation is available.	(TIME W INDEX) /EAB (PHENYL AND +VIRAL) /EAB
Original abstract in French	/FAB	French abstracts are provided primarily for WO, EP, FR, CA and BE publications from 1978 on. Search in French with single terms using operators and/or phrases using implied adjacency. Truncation may be used and left-hand truncation is available.	(COLLECTEUR SOLAIRE PLAT AND CHAMBRE? AND (SOUS W VIDE)) /FAB
Original abstract in German	/GAB	German abstracts are provided for DE publications from 1989, EP from 1978 and WO from 1995. Search in German with single terms using operators and/or phrases using implied adjacency. Truncation may be used and left-hand truncation is available.	BELEUCHTUNGSEINRICHTUNG /GAB
Original abstract in other languages	/OAB	Abstracts published in other languages such as: - Russian (SU, RU) - Japanese (JP) - Chinese (CN, TW) - Korean (KR) - Spanish (ES, MX, AR, CR, PA, PE, NI, SV, UY, GT, CO, EC, CU, CL, DO, WO) - Portuguese (BR, PT) - Italian (IT) - Turkish (TR) - Hungarian (HU) Mainly available from 1984.	
/AB simultaneously searches the EAB, FAB, GAB and OAB fields. The abstract displayed in AB is one that meets the preferred language.			
Drug name with French SPC (extension of a patent EP or FR)	/MED	Search with single terms using operators and/or phrases using implied adjacency. Truncation may be used. Note: Information not provided after September 2009	RIVAROXABAN /MED

Key Content Super-Index (/SA) Details

Search by	Index	Search Hints	Examples
Object of invention	/OBJ	Extracted from the fulltext of the: 1 - Following original English language publications: - EP published applications from 1988 (Euro-PCTs excluded) - EP granted patents from 1980 - PCT published applications from mid 2001 - US granted patents from 1971 - US published applications from 03/15/2001 - GB published applications from 1971 - GB granted patents from 2000 - CA published applications from 1911 2 – Following English machine translated publications: - PCT published applications (except those published in Korean) - FR published applications from 1974 for single FR in families, from June 2015 for the other FR - CN published applications from 1985 - CN utility models from 1985 - DE published applications from 1976 - DE granted patents from 1987 - DE utility models from 1976 Search in English using single terms with operators and phrases using implied adjacency. Use truncation.	(PORTABLE AND MEASUR+ AND FLEXIB+ AND CLUB HEAD) /OBJ
Advantages of the invention & Drawbacks over prior art	/ADB		(ELECTRONIC? AND ACCELER+) /ADB
Independent Claims: Including main or first Claim	/ICLM		(FREELY PIVOT+) /ICLM

Claims and Description

Search by	Index	Search Hints	Examples
Claims in: - English - French - German - Other languages	/ECLM /FCLM /GCLM /OCLM	Search by: - Simple words using operators - Phrases using implied adjacency Use truncation. Left-hand truncation is available.	(PORTABLE AND MEASUR+ ET FLEXIB+ AND CLUB HEAD) /ECLM
Description in: - English - Other languages	/DESC /ODES		(ELECTRONIC? AND ACCELER+) /DESC
Examples included in the description of US publications from end of April 2005	/DESX		((OVABULMIN OR OVA) AND ENCAPSULAT+) /DESX
/CLMS simultaneously searches the ECLM, FCLM, GCLM and OCLM fields. The claims displayed in CLMS are claims that meet the preferred language.			
All Claims and Descriptions	/TX	/TX simultaneously searches the ECLM, FCLM, GCLM, OCLM, ODES, DESC and DESX fields.	(FREELY PIVOT+) /TX

Concepts

Key concepts are extracted from the full text of the patent publications using linguistic technology and reflect the semantic content of the publications. The different concepts are classified in the field by decreasing score. The following publications are used to extract the concepts:

1 - Original English language publications:
- EP published applications from 1988 (Euro-PCTs excluded) (some older documents back to 1980)
- EP granted patents from 1980
- PCT published applications from mid 2001 (some older documents back to 2000)
- US granted patents from 1971
- US published applications from 03/15/2001
- GB published applications from 1971
- GB granted patents from 2000
- CA published applications from 1911

2 - English machine translated publications:
- PCT published applications (except those published in Korean)
- FR published applications from 1969 for single FR in families, from June 2015 for the other FR
- CN published applications (patents and utility models) from 1985
- DE published applications (patents and utility models) from 1976
- DE granted patents from 1987

Search by	Index	Search Hints	Examples
Concepts	/KEYW	Search by single terms using operators, or by phrases using implied adjacency. Use truncation. Left-hand truncation is available.	(DRUM GRANULATOR) /KEYW
If you click on the Kwic tab following a concept search and look at the section marked Concepts, the figures that appear in parentheses after each concept represent the score of the concept and its number of occurrences. They are not searchable.			

Numbers and Dates

Publication Data

Search by	Index	Search Hints	Examples
Publication: - Number	/PN	All the patent publication stages are searched with /PN. • Search using the patent/publication number in the following formats: - If patent authority uses a continuous series: CCNNNNNNN If the number is <7 digits, infill with hyphen(s) after the country code to achieve the necessary number of characters. - If the patent authority restarts its number series each year: Before 2000: CCYYNNNNN (if number is <5 digit, fill with zeros after the series year CCYY) After 2000: CCYYYYNNNNN CCYYYYNNNNNNN CC = country code N…N = number YY or YYYY = year	 EP-982976/PN NL---2025/PN WO9916958/PN WO8909788/PN WO200016958/PN US20010000001/PN
- Country		• Search for publications by ISO country code	US/PN
- Kind code		• Search by kind code. Truncation may be used.	A3/PN B?/PN
- Date		• Search by publication date without numeric operators: YYYYMMDD YYYYMM YYYY	19950625/PN 199506/PN 1995/PN
Kind code and office	/IKD	Search in the format CCKK. CC = country code KK = status code Truncation ? or # may be used.	EPA? /IKD EPB# /IKD

Publication Data (cont'd)

Search by	Index	Search Hints	Examples
Original PCT publication number	/PPN	Search with: • Questel standardized format: Before 2000: CCYYNNNNN After 2000: CCYYYYNNNNN • Publication date without numeric operators • Presence of the field	WO9838673 /PPN WO200353458 /PPN 1998-11 /PPN PPN=YES
Publication dates (except OPD): - All publication dates - First publication date - Last publication date	/PD /PDF /PDL	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >= Presence of the field can also be used especially with the PDG field.	PD=2000-02-16 PDF<=1997-06 PDL>1995 PD=1997-04-01:1997-05-15
First application publication date	/PDA		PDA=2008-10-02 PDA<=1999-10 PDA>2007 PDA=2007-06:2008-09
Granted patent date	/PDG		PDG=1998-06-02 PDG=YES
Other publication dates: - Effective date - Date of previous issue - Date of national stage U.S.C. 371	/OPD		OPD=2006-01-12 OPD<=2006-01 OPD>2006
Publication stage	/STG	Search by term for the type of publication. Note: This field is not standardized. It is recommended to use the Kind Code (see /IKD previous page).	(PATENT OR GRANTED) /STG

Application Data

Search by	Index	Search Hints	Examples
Filing Data: - Number	/AP	Search using: • The application number in the format YYYYCC-NNNNNNN YYYY = 4-digit application year CC = ISO country code NNNNNNN= 7 digit application number (fill in with zero(s) if number contains less than 7 digits)	1999EP-0202618 /AP 1989WO-US01469 /AP
		US application numbers are searched using the two digit series code in addition to the filing year. Format: YYYYUS-SCNNNNNN YYYY = 4 digit year US = country code SC = the two digit US series code (infill with zeros if < series code 10)*	1994US-08352062 /AP 2013US-13974634/AP
- Country		• The application country using the two-letter ISO country code	EP /AP
- Date		• The application date in the format: YYYYMMDD YYYYMM YYYY Do not use numeric operators.	1999-08-12 /AP 1999-08 /AP 1999 /AP
Application (Filing) Date	/APD	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=	APD=1999-08-12 APD=1999-06:1999-10 APD>=1992
Application data from parent document - Parent WO - Parent EP	/PAP /EPAP	Search using: - Presence of the field - The number in the format: YYYYWO-CCNNNNN or YYYYEP-NNNNNNN - The application date with the PAPD or EPAD subfields and numeric operators	PAP=YES EPAP=YES 2002WO-CU00011 /PAP 2010EP-0745681 /EPAP PAPD/PAP=2002-11 EPAD/EPAP>2012
Filing Details	/FD	This field is available for US records and provides information such as whether one patent is based upon another (continuation of, CIP, division of). Search using: - Presence of the field - Standardized Questel format YYYYCC-NNNNNNN - Date using the FDD subfield and numeric operators	FD=YES 1995US-60000189 /FD FDD/FD=2010
* For a list of US Series codes: www.uspto.gov/web/offices/ac/ido/oeip/taf/filingyr.htm			

Priority Data

Search by	Index	Search Hints	Examples
Priority Data: - Number	/PR	Search using: • The priority number in the format: YYYYCC-NNNNNNN YYYY = 4-digit application year CC = ISO country code NNNNNNN = 7 digit application number (fill in with zero(s) if number contains less than 7 digits) US Priority Numbers are searched using the two digit series code in addition to the filing year. Format: YYYYUS-SCNNNNNN YYYY = 4 digit year US = country code SC = the two digit US series code (fill in with zeros if < series code 10)*	1986NL-0003303 /PR 2001WO-US06520 /PR 2007US-11962576/PR
- Country		• The priority country using the two-letter ISO country code	US /PR
- Date		• The priority date in the format: YYYYMMDD YYYYMM YYYY Do not use numeric operators.	1998-08-12 /PR 1998-08 /PR 1998 /PR
Earliest priority country	/EPRC	Search using the two-letter ISO country code.	US /EPRC (US OR JP)/EPRC
Priority Date: - All priority dates - Earliest priority date - Latest priority date	 /PRD /PRDF /PRDL	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=	PRD=1998-08-12 PRD=1998-04:1998-08 PRDF>=1997 PRDL<=2014-10
Number of priorities	/NPR	Use numeric operators: =, >, <, >=, <=.	NPR=3 NPR>1
* For a list of US Series codes: www.uspto.gov/web/offices/ac/ido/oeip/taf/filingyr.htm			

Classifications

Technology Domains

Search by	Index	Searh Hints	Examples
Technology Domain 35 areas listed on last page	/TECD	Questel indexing based on class titles or subclasses of the IPCs. Search with single terms using operators and/or phrases using implied adjacency. Truncation may be used.	OPTICS /TECD (MACHINE TOOL?) /TECD

International Patent Classification

Search by	Index	Searh Hints	Examples
International Patent Classification Data	/IPC	The /IPC index simultaneous searches the following fields: • ICH: Codes as they have been assigned by national offices at each stage of publication /ICH can restrict the search to historical IPC codes. • IC: Updated Codes /IC allows you to restrict the search to updated IPC codes. Search with one of the following formats: - full index: ANNA-NNN/NN - group*: ANNA-NNN - subclass*: ANNA - class: ANN #: use the # symbol. * These two formats are searchable without truncation.	G10L-015/26 /IPC G10L-015 /IPC G10L /IPC G10# /IPC
	/ICM	The index /ICM allows you to restrict the search to the main code.	H01M-008 /ICM

Cooperative Patent Classification

Search by	Index	Search Hints	Examples
CPC Classification Data (Cooperative Patent Classification) CPC is used in place of ECLA and ICO since 1 January 2013.	/CPC	The /CPC index simultaneous searches the following fields: • CPCH: Codes as they were granted by the EPO and the USPTO at each stage of publication /CPCH can restrict the search to historical CPC codes. • CPC: Updated Codes Search by: - Full code (conversion of ECLA and mirrored ICO codes) ANNA-NNN/NN ANNA-NNN/NN/NNN ANNA-NNN/NNN/NN (2-3 digits after the first slash, 1-3 digits after second the slash - Entering the second slash is optional). - Full code (conversion of orthogonal ICO codes) ANNA-2NNN/NNNNN (2-5 digits after the slash) - Group*: ANNA-NNN or ANNA-2NNN - Subclass*: ANNA - Class: ANN#; use the # mask. * These two formats are searchable without truncation.	G06K-019/02 /CPC G06K-019/02/7 /CPC G06K-019/06/065 /CPC G06K-019/077/43 /CPC G06K-019/06065 /CPC A01D-2017/108 /CPC H01L-2021/60292 /CPC G06K-019 /CPC A01D-2017 /CPC G10K /CPC G10# /CPC
	/CPCM	The index /CPCM allows you to restrict the search to the main code.	A01D-2017/108 /CPCM
Concordance between the old ECLA and ICO codes and new CPC codes is available on the EPO website: www.cooperativepatentclassification.org/cpcConcordances.html			

Former European Classifications

Search by	Index	Search Hints	Examples
ECLA and In Computer Only Classifications Data Used by EPO examiners until 2012 - Replaced by CPC	/EC	Search by: - Full index: ANNA-NNN/NNN ANNA-NNN/NNA ANNA-NNN/NNAN ANNA-NNN/NNANA ANNA-NNN/NNANAN - Group*: ANNA-NNN - Subclass*: ANNA - Class: ANN#; use the # mask. * These two formats are searchable without truncation. ICO is derived from ECLA and where the letters A, B, C, D, E, F, G and H are replaced by the letters K, L, M, N, P, R, S and T. Was used for: - Describe the characteristics for which there is also an ECLA code and classifies additional information (mirrored codes) - Describe the characteristics for which there is no ECLA code (orthogonal codes) - Classify information according to different criteria compared to ECLA (additional subdivisions ECLA) ICO - two classes were created to cover nanotechnology (Y01) and sustainable energy technologies (Y02).	 C21D-001/773 /EC C21D-006/00K /EC B25G-001/06S1 /EC G10L-015/06A3S /EC C12Q-001/68D2E1 /EC G10L-015 /EC G10L /EC G10# /EC S10L-015/18C1 /EC M08L-009/06 /EC M08L-009 /EC M08L /EC M08# /EC

United States Classification

Search by	Index	Search Hints	Examples
US Classification Data: - Historical codes - Updated codes	 /PCLH /PCL	Available for US documents only. The US classification code (9 or 12 characters) is formatted as: MMMSSSDDDAAA MMM = 3-digit class SSS = 3 digit subclass or DIG for "Digest" DDD = 3 digits AAA = 1-3 optional alphanumeric characters Search by : - Class - Subclass or Digest including mention DIG - Full code For a comprehensive search, use both fields simultaneously.	 379 /PCL 379093 /PCL 210DIG017 /PCL 379093150 /PCL 379093150 /PCL/PCLH
	/PCLM	The /PCLM index allows you to restrict the search to the main classification.	343754 /PCLM

Japanese Classification

Search by	Index	Search Hints	Examples
FI and F-terms (JP documents only) - FI (File Index) Contains no additional zeros or dashes (unlike Questel format for IPCs)	/FI	Classification derived from the 6th edition of the IPC and used by JPO examiners for Japanese documents. The FI may be made of: - An IPC code in the format : ANNA[N]N/NN[N] - An IPC code followed by a symbol (1 letter) in the format: ANNA[N]N/NN[N] A - An IPC code followed by a subdivision (3 digits) in the format: ANNA[N]N/NN[N]NNN - An IPC code followed by a subdivision and a file symbol in the format: ANNA[N]N/NN[N]NNNA - An IPC code with a "facet" (3 letters)	 A01B1/16 /FI G10L9/20A /FI G11B11/105506 /FI G11B11/105506A /FI G11B11/08ZNM /FI
- F-term (File Forming Term)	/FTM	All technical areas covered by FIs are defined themes and some of these themes are divided into F-terms. Search by: - Theme in format NANNNNANNN - Theme and point of view in format NANNNAA+ - Full F-term in format NANNNAANN or NANNNAANN.N	 4C206 /FTM 4C206CB+ /FTM 4C206CB23 /FTM 4J002AC03.3 /FTM

Names

Inventor

Search by	Index	Search Hints	Examples
Name of the inventor: - At each stage of publication	/INH	The /INH index searches the name of the inventor for all stages of publication.	
- At the most recent publication stage	/IN	The index /IN restricts the search to the inventor at the most recent publication stage. For CN, JP, KR, RU, TH and TW publications, the INH and IN fields an English Machine translation is provided, it is then automatically replaced by the official data when it becomes available. Search by single terms (operators) or phrases (implied adjacency), using truncation Use the D or S operator to combine full name (first and surname in full, because the two entries co-exist). For a comprehensive search, use both fields simultaneously.	(KAO D (YO W HONG)) /IN (KAO YO HONG) /IN (PUYPLAT S (O OR OLIVIER)) /IN SMITH /IN/INH
- In non-Latin original language	/OIN	Search by the name of the inventor in non-Latin original language for CN, JP, KR, TW, RU/SU publications and for PCT applications published in Russian, Korean, Japanese and Chinese.	
Inventor Address: - Country	/INAD	Search by: - ISO 2-letter country code using the COUNTRY subfield.	COUNTRY/INAD=US
- State (US Only)*		- ISO 2-letter US State code using the STATE subfield*. *Available for US documents only.	STATE/INAD=ME
* For a list of US State codes: about.usps.com/who-we-are/postal-history/state-abbreviations.htm			

Applicant or Assignee

Search by	Index	Search Hints	Examples
Name of the applicant or assignee:			
- At each stage of publication	/PAH	The /PAH index searches the name of the applicant or assignee for all stages of the publication in the EPO format.	
- At the most recent publication stage	/PA	The PA field contains the standardized assignee name (see NPA). If this is not available, contains the name at the most recent publication stage. For CN, JP, KR, RU, TH and TW publications, an English Machine translation is provided, it is then automatically replaced by the official data when it becomes available. Search by single terms (operators) or phrases (implied adjacency), using truncation For a comprehensive search, use both fields simultaneously.	(TEXAS W INSTRUMENT?) /PA (KIMBERLY CLARK) /PA/PAH
- In non-Latin original language	/OPA	Search by the name of the applicant in non-Latin original language for CN, JP, KR, TW, RU/SU publications and for PCT applications published in Russian, Korean, Japanese and Chinese.	
Standardized patent assignee name	/NPA	This field provides the name of company standardized by Questel. This standardization includes corrections of typographical errors, the removal of non-meaningful parts of the name such as legal forms (INC, SA, GMbH, LTD, etc.) and removing spaces and periods in acronyms. The field will supply, if possible, the latest name of the company. Search by single terms using search operators and truncation or full name using implied adjacency. Note: The NPAN field (corresponding to the NPA field in keywords) is automatically used for queries run from selections in the corporate tree.	PANASONIC /NPA ("GEMALTO")/NPAN

Applicant or Assignee (cont'd)

Search by	Index	Search Hints	Examples
US Reassignments Available for US documents only (USPTO source)	/REAS	Search by: - Presence of field - Single words (operators) or phrases (implied adjacency)	REAS=YES PANASONIC /REAS PANASONIC /REAS AND HITACHI/PA
Assignee Address: - Country - State (US Only) - City - Post code	/PAAD	Search by: - ISO 2-letter country code using the COUNTRY subfield - ISO 2-letter US state code using the STATE subfield* Available for US documents only - City name using the CITY subfield and the PAAD field For names containing an hyphen, use limited truncation ?. - Full or truncated post code using the POSTCODE subfield and the PAAD field To combine several subfields, use the SDOC operator.	 COUNTRY/PAAD=JP STATE/PAAD=CO CITY/PAAD=LYON OR LYON/PAAD (CITY/PAAD=CLERMONT?FERRAND) OR (CLERMONT W FERRAND)/PAAD (POSTCODE/PAAD=67+ OR POSTCODE/PAAD=68+) OR (67### OR 68###)/PAAD ((POSTCODE/PAAD=67+ OR POSTCODE/PAAD=68+) OR (67### OR 68###)/PAAD) SDOC COUNTRY/PAAD=FR
* For a list of US State codes: about.usps.com/who-we-are/postal-history/state-abbreviations.htm			

Representative

Search by	Index	Search Hints	Examples
Representative name	/RP	Information available for: US since 1971 EP since 1978 WO since 1978 FR since 1966 Search by single terms (operators) or phrases (implied adjacency), using truncation. For names of people, use the D or S operators to combine first name and surname.	GUIU /RP (ERNEST S GUTMANN) /RP
	/ORP	The /ORP index allows to search by the name of the representative in non Latin original language for JP, CN, KR, TH and WO publications.	
Representative country	/RPAD	Available for US, EP and WO documents Search by 2-letter country code using the COUNTRY subfield.	COUNTRY/RPAD=DE

Other Names

Search by	Index	Search Hints	Examples
Licensee Available for US documents only (USPTO source)	/LIC	Search by : - Presence of field - Licensee name using single words (operators) or phrases (implied adjacency) - License year using keywords FROM for the beginning of the license and TO for the effective end of the license - License type using the LT subfield and keywords CONFIRMATORY for government licenses and LICENSE for the other licenses	LIC=YES APPLE /LIC (FROM 2007) /LIC (TO 2016) /LIC LT/LIC=CONFIRMATORY LT/LIC=LICENSE
Security interest Available for US documents only (USPTO source)	/SEC	Search by: - Presence of field - Name of the financial organization using single words (operators) or phrases (implied adjacency) - Pledge year using keywords FROM for the beginning of the pledge and TO for the effective end of the pledge	SEC=YES (BARCLAYS BANK) /SEC (FROM 2012) /SEC (TO 2014) /SEC

Citations

Citations (patent and non patent literature references) are available for the following publications:

AP – from 1984	EA – from 1996	LU – from 1999
AT – from 1983	EP – from 1978	MY – 2003-2010
AU – from 1978	ES – from 1993	NL – from 1965
BE – from 1988	FR – from 1969	NO – from 2009
BG – from 1999	GB – from 1983	RU – from 2005
CH – from 1982	GR – from 1988	SG – from 2001
CN – from 1987	HR – from 2005	TR – from 1987
CZ – from 1997	IT – from 2010	TW – from 2006
DE – from 1943	JP – from 1972	US – from 1947
DK – from 1956	KR – from 2000	WO – from 1978

Patents cited in search reports are displayed in the CT field under the title « Search Report » or « Examiner citations » for all the countries listed above.

- For US, EP, WO, FR, DE, NL, BE, GR, CH, GB, TR, LU and DK publications, this field also contains Applicant citations.
- For EP publications, this field also contains Opposition citations and Observer Citations (art. 115).
- For JP publications, citations are listed in 4 categories: Opposition citations (reason for opposition), Opposition citations (reason for decision), Examiner citations (reason for refusal) and Citations in registration report.

Search is detailed on next page: /CTN index for searching for cited patents and /CTGN index for searching for citing patents.

Cited non patent literature is available for all the countries listed above except BG.
References to cited non patent literature are displayed in the REF field under the title « Search report references » or « Examiner references ».

- For US, EP, WO, FR, DE, NL, BE, GR, CH, GB, TR, LU and DK publications, the REF field also contains applicant literature references.
- For EP publications, the REF field also contains Opposition references and Observer references (art. 115).

Search by	Index	Search Hints	Examples
Non patent literature Citations	/REF	Search using single words (operators) or phrases (implied adjacency), using truncation on: - Title - Authors - Source - XP number assigned by the EPO examiners - Presence of the field	(RECOGNITION W SYSTEM?) /REF DESHMUKH /REF (SIGNAL 1W MAGAZINE) /REF XP002058560 /REF REF=YES
Standards citing a patent	/STDN	Standards issued mainly by ETSI (European Telecommunications Standards Institute)* Search by : - Standard number using the NAME subfield - Presence of the field	NAME/STDN=ETSI-TS-36-331 STDN=YES

* Other sources for STDN: ITU (International Telecommunication Union), IEC (International Electrotechnical Commission), IETF (Internet Engineering Task Force), OMA (Open Mobile Alliance), IEEE (International Electrotechnical Commission), ISO (International Organization for Standardization), ANSI (American National Standards Institute), ATIS (Alliance for Telecommunications Industry Solutions), TIA (Telecommunications Industry Association), BBF (BroadBand Forum), CEN (European Committee for Standardization), CENELEC (European Committee for Electrotechnical Standardization)

Citations (cont'd)

Search by	Index	Search Hints	Examples
CITED PATENTS CITING PATENTS	/CTN /CTGN	Search by presence of the CTN field to retrieve documents with cited patents, by presence of the CTGN field to retrieve documents with citing patents.	CTN=YES CTGN=YES
- Publication number		Search by standardized patent number in the format CCNNNNNNN (same as the PN field). Fill with hyphens if needed.	EP-248377 /CTN USD308968 /CTGN
- Publication country		Search by two letter country code.	EP /CTN US /CTGN
- Citation author		Search by keywords below using the WHO subfield: - Applicant - Examiner - Third_Party - Unknown	 WHO/CTN=APPLICANT WHO/CTGN=EXAMINER
- Self citation		Search by Keyword Y (for yes) or N (for no) using the SELF subfield.	SELF/CTN=Y SELF/CTGN=N
- Relevancy category		Relevancy category codes, also known as relevance indicators, are used by the EPO in their search reports. Relevancy category codes are found in EP, FR and PCT search reports. I - Particularly relevant when taken alone affecting the inventive action X - Particularly relevant if taken alone and affecting novelty * Y - Particularly relevant if combined with another document in the same family A - Technology background O - Unwritten disclosure P - Intermediate document T - Theory or principle underlying the invention E - Earlier patent document, but published on, or after, the filing date D - Document cited in the application L - Document cited for other reasons * Before the creation of the I code, the definition of the X code was: Particularly relevant if taken alone Search by relevancy codes above using the CAT subfield.	CAT/CTN=X OR CAT/CTN=Y CAT/CTGN=X

Legal Status

Events

Search by	Index	Search Hints	Examples
Free text on events	/ACT	Search in English or in the application language by using single words or phases, and truncation. Note: Left-hand truncation is not authorized. As ACT is structured in subfields, it allows precise searches. See herefater for searching in subfields.	(SEARCH REPORT) /ACT ((NON PAYMENT) OR (FAILURE 1W PAY+))/ACT
Data calculated by Questel: State	STATE	Search with the keywords: - ALIVE - DEAD* Use the numeric operator =.	STATE/ACT=ALIVE STATE/ACT=DEAD
Status	STATUS	Search with the keywords: - PENDING - GRANTED - EXPIRED - LAPSED* - REVOKED Use the numeric operator =. * Pending applications for which there is no activity for several years are declared "Pending Application Likely abandoned" and therefore LAPSED / DEAD.	STATUS/ACT=GRANTED STATUS/ACT=LAPSED STATUS/ACT=PENDING OR STATUS/ACT=GRANTED
Actual or expected expiration date	EED	Search with the date format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=.	EED/ACT=2020-15-03 EED/ACT>=2010-11 EED/ACT<=2015
STATE, STATUS and EED subfields are also provided for countries not covered by the EPO PRS database.			
Date of event publication / communication	AD	Search with the date format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=.	AD/ACT=2010-06-16
Actual date of the event	EFFD		EFFD/ACT>=2010-06
Event code**	CO	Search in the format CC/NNNN. CO = Country code NNNN = 2 to 4 character alphanumeric code Use the numeric operator =.	CO/ACT=US/FP CO/ACT=EP/PGFP

** The list of event codes is available on the EPO website:
http://documents.epo.org/projects/babylon/rawdata.nsf/0/3A4EE91865872B7DC12577DC00562F8F/$File/le-codes-en1046.txt

Events (cont'd)

Search by	Index	Search Hints	Examples
Index assigned to the event	SI	This index specifies if the event is positive or negative. - POS (positive) - NEG (negative) Use the numeric operator =.	 SI/ACT=POS SI/ACT=NEG
Event groups	EG	To facilitate researching actions, Questel created 18 codes that bring together similar actions of different patent offices: ADM Administrative notifications CCL Classification amendments COR Corrections, amendments DCS Designated states ENP Entry into national phase, translations (AP, EA, EP, OA, WO) EXM Requests for examination, review procedures and review process, research reports LAVL For patents declared available for licensing or sale LIC Licensing information (licensed or candidate patents) LICT Licensing transaction(s) NENP Non-entry into national phase NIF Not in force, disqualifications, expiration, refusal, recalls NMC Name change of applicant, assignee, inventors; other: opponents, applicants NOPP No opposition to registration OPP Opposition, re-examination PIF Payment of annuities, in effect, registered, issued RAS Reassigned RES Restitution, restoration: in effect SPC Actions concerning complementary or supplementary certificates of protection, extension of protection period. Search with a code and the numeric operator =.	 EG/ACT=LIC EG/ACT=RAS EG/ACT=SPC EG/ACT=RES OR EG/ACT=SPC
<u>Countries affected by the event</u>: - Application country - Publication country - Designated countries	 APC PC CC	Search with country code and the numeric operator =. These subfields are useful in combination with other queries to restrict the search to a particular country. Use the P (paragraph) operator to connect the search criteria.	PC/ACT=EP CC/ACT=FR (PC/ACT=FR OR CC/ACT=FR) P EG/ACT=SPC (PC/ACT=US OR CC/ACT=US) P STATUS/ACT=GRANTED

Events (cont'd)

Search by	Index	Search Hints	Examples
Dates affected by the event:			
- Application date	APD	Search with the date format : YYYY-MM-DD	APD/ACT>=2005-12
- Publication date	PD	YYYY-MM YYYY	PD/ACT<=1990
- Application date in countries designated by a WO or an EP	CAPD	Use numeric operators : =, <, >, <=, >=.	CAPD/ACT<=1995-05
- Date of publication in the country designated by a WO or an EP	CPD		CPD/ACT=2008-07-04
Numbers affected by the event:			
- Publication number	PN	Search using the Questel standardized number.	PN/ACT=EP1131715
- Stage of publication code	KD	Searching using the 1 or 2 character code.	KD/ACT=B1 PC/ACT=EP P KD/ACT=B1
- Application number in countries designated by a WO or an EP	CAP	Search using the Questel standardized number.	CAP/ACT=2014TH-3010056
- Publication number in countries designated by a WO or an EP	CPN	Search using the Questel standardized number.	CPN/ACT=EP1414368
- Stage of publication code in the country designated by a WO or an EP	CKD	Searching using the 1 or 2 character code.	CC/ACT=EP P CKD/ACT=A1
Other subfields of the /ACT index:			
Expiry date (essentially GB documents designated by an EP)	EXD	Search with the date format : YYYY-MM-DD	EXD/ACT>=2001
Extension date (for some RU, EP and US)	EXTD	YYYY-MM YYYY	EXTD/ACT>2005
Withdrawal date (EP)	WTHD	Use numeric operators: =, <, >, <=, >=.	WTHD/ACT>=1990
Date of maintenance fee payment (for countries designated by an EP)	PAY		PAY/ACT=2011-02
Year number (1 to 20) of payment (US, EP)	YR	Use numeric operators: =, <, >, <=, >=.	YR/ACT=20 YR/ACT>=3
Number of extension days (US)	XDAY		XDAY/ACT>=300

Names

Search by	Index	Search Hints	Examples
Owner(s) – original and current Essentially available for some US, EP, BE, DE documents	/OWR	The field is present when there have been changes in ownership. Search by single words (operators) or phrases (implied adjacency). Truncation may be used. Addresses are not systematically included.	(QUADRANT DRUG DELIVERY) /OWR ((INT+ W BUS+ W MAC+) OR IBM) /OWR
Inventor(s) Available for EP & DE documents	/INV	The field is usually present when there have been changes or corrections to an inventor's name or address. It contains the surname, first name, city and country code of the inventors. Search by single words connected with the S operator, or by phrases (implied adjacency). Truncation may be used.	((PEREIRA S ALEXANDRE) AND FR) /INV
Representative Essentially available for EP, DE, CH documents	/REP	The field is present when there have been changes to the representative. Search by single words (operators) or by phrases (implied adjacency) on the representative name. Truncation may be used.	(ISLER AND PEDRAZZINI) /REP
Opponent Essentially available for EP documents	/OPP	Search by single words (operators) or by phrases (implied adjacency) on the opponent name. Truncation may be used.	GEROLYMATOS /OPP
Requestor Essentially available for CN, EP, AU, FR, NZ documents	/REQ	The field is present when there are: licenses, SPC, mortgages, cancellation of financial interests. Search by single words (operators) or by phrases (implied adjacency) on the requestor name. Truncation may be used.	(HSBC BANK) /REQ
All the names	/NAM	The /NAM Super Index simultaneously searches the OWR, INV, REP, OPP and REQ fields.	((INT+ W BUS+ W MAC+) OR IBM) /NAM

Other Indexes

Search by	Index	Search Hints	Examples
Designated states for European Patents (EP) and PCT applications (WO)	/DS	Search by ISO country code using the two letter format CC. The EP designated states are from the last EP publication stage.	AT /DS (FR OR GB) /DS
Publication language	/LA	Language is provided for EP and WO documents and in all other cases where the language is not the sole official language of the country. Search using the English name of the language or using the 3 first letters of this name.	ENGLISH /LA ENG /LA
Notes (US, EP, WO)	/NO	For U.S. documents, /NO allows to search by USPTO examiner names and company representative names. For EP and WO documents, /NO contains information on divisions, changes or corrections. Search by single words or phrases, or by presence of the field.	(BARKAI D RAPHAEL) /NO NO=YES
Number of figures, claims, etc (US, JP, KR)	/NUM	Search for : - Number of drawing pages – NDR (US) - Number of figures – NFG (US, JP) - Number of claims – NCL (US, JP, KR) - Number of independent claims – ICL (US*) - Number of exemplary claims – ECL (US*) - Art Unit – ART (US*) - Number of pages – NPS (US*) - Days of extension – EXTD (US*) - Term of patent – TRM (US*) Use numeric operators : =, >, <, >=, <= * Granted patents only	NDR>=20 NFG<=50 NCL=10:15 ICL=4 ECL=1 ART=271 NPS=10:50 EXTD=134 TRM=14

Other Indexes (cont'd)

Search by	Index	Search Hints	Examples
Litigation case ID number	/CIDS	This field is present for US (Maxval source), CN, DE and FR documents when litigation is filed. Search by : - Presence of the field - Country code followed by the + truncation	CIDS=YES US+/CIDS CN+/CIDS
License ID number - US documents (KTMINE source)	/LID	This field is present for US documents which have a license agreement. Access to the license details is available with a subscription.	LID=YES
Family Accession Number in FamPat	/FAN	Sequential number assigned to a FamPat family	66142304 /FAN
Extended Family Accession Number	/EFAN	Sequential number assigned to an extended family	1000726 /EFAN
Patent accession number in FullPat and FamPat	/APID	Sequential number assigned to the document in the FullPat record and which is kept by each member in the FamPat family Unlike the FAN and XPN numbers which may change following a family recomposition or a numbering modification, the APID is a unique number which is permanently assigned to the patents.	107523059 /APID
Access number of the legal status record in the LGST database	/LAN	Number containing application number assigned to the Legal Status record in FamPat collection and LGST database	EP09010508A /LAN

Update Codes

Search by	Index	Search Hints	Examples
New documents in the collection: - Weekly - Monthly	 /UP /UP4		 2014-23 /UP 2014-06 /UP4
• Addition of publication stages: - Weekly - Monthly • Addition of citations (weekly)	 /UE /UE4 /UCT		 2014-23 /UE 2014-06 /UE4 2014-23 /UCT
• Addition of Human produced English Abstracts 1st time: - Weekly - Monthly • Addition of Machine or Human produced English Abstract 1st time: - Weekly - Monthly • Addition of any Human language abstract 1st time: - Weekly - Monthly	 /UAB /UAB4 /UMTA /UMT4 /UABA /UAA4	Use the relevant update index and search the code in the following format: YYYY-WW (week) YYYY-MM (month) YYYY+ (year)	 2014-23 /UAB 2014-06 /UAB4 2014-23 /UMTA 2014-06 /UMT4 2014-23 /UABA 2014-06 /UAA4
Addition of CPC or US PCL codes for the 1st time	/UCL	Search the code in the following format: YYYY-WW (week) YYYY+ (year)	 2014-23 /UEC 2014+ /UEC
Entry of new documents in the collection + Changes to documents already in the collection: - Weekly - Monthly	 /QW /QM	Includes: - New records entered into the collection except the documents published before 2006 and documents with D0 kind code - Modified records by the addition of one or more of the following six fields: ETI, EAB, PA, CPC, FI, FTM Use the relevant update index and search the code in the following format: YYYY-WW (week) YYYY-MM (month) YYYY+ (year)	 2014-23 /QW 2014-06 /QW 2014+ /QW
All the update codes above are available for use in alerts.			

Update Codes (cont'd)

Search by	Index	Search Hints	Examples
Entry or update week of events (ACT)	/EUP	Use the relevant update index and search the code in the following format: YYYY-WW (week) YYYY+ (year)	2013+ /EUP 2013-47 /EUP
Entry or update week of any legal status information	/LUP /LGUP*		2012-09 /LUP 2012+ /LGUP
Entry or update month of any legal status information	/LUP4	Search the code in the following format: YYYY-MM (month)	2012-02 /LUP4
All the update codes above refer to legal status updates. * Only this update code is available for alerts.			

Definition of Field Codes

Biblio

AB*	Abstract in the preferred language
AP	Application data (numbers and dates)
APD	Application date
APID	Patent accession number in FullPat and FamPat collections
CIDS	ID number of litigation
CPC	Cooperative Patent Classification codes – most recent publication stage
CPCH	Cooperative Patent Classification codes – all publication stages
CPCM	Main code of the Cooperative Patent Classification
CT	Cited patents
CTN	Standardized cited patents
CTGN	Standardized citing patents
DS	Designated countries
EAB	Original or machine translated English abstract
EC	European ECLA and ICO classification codes
EFAN	Extended family accession number
EPAP	Application date of parent EP
EPRC	Earliest priority country
ETI	Original or machine translated English title – most recent publication stage
ETIH	English title – at each publication stage
FAB	Original French abstract
FAN	PamPat Family Access Number
FD	Filing details
FI	Japanese FI classification
FTI	Original French title – most recent publication stage
FTIH	French title – at each publication stage
FTM	Japanese F-term classification
GAB	Original German abstract
GTI	Original German title – most recent publication stage
GTIH	German title – at each publication stage
IC	International Patent Classification codes – most recent publication stage
ICH	International Patent Classification codes – all publication stages
ICM	Main code of the International Patent Classification
IKD	Country codes and status
IN	Inventor(s') name(s) – most recent publication stage
INAD	Inventor(s') address(es) – country and US state
INH	Inventor(s') name(s) – at each publication stage
IT	English Index Terms for French publications

LA	Publication language
LIC	Licensee (US)
LID	ID number of US license
MED	Name of the drug subject to French SPC
NO	Notes in US, EP and WO documents
NPA	Standardized name of applicant or assignee
NPR	Number of priorities
NUM	Number of drawing pages, figures, claims, etc…
OAB	Original abstract in a language other than French, English or German
OIN	Inventor name in original non-latin language
OPA	Applicant name in original non-latin language
OPD	Other publication dates
ORP	Representative name in original non-latin language
OTI	Original title in a language other than French, English or German – most recent publication stage
OTIH	Original title in a language other than French, English or German – at each publication stage
PA	Assignee name at the most recent publication stage or standardized name
PAAD	Assignee address – Country, US State, City and Post code
PAH	Applicant name at each publication stage in the EPO format
PAP	PCT filing data
PCL	US classification codes – most recent publication stage
PCLH	US classification codes – all publication stages
PCLM	Main US classification code
PD	All publication dates (except OPD)
PDA	Publication date of application
PDF	Earliest publication date
PDG	Publication date of grant
PDL	Latest publication date
PN	Publication data (numbers, status and dates)
PPN	Publication data of the original PCT application
PR	Priority data (numbers and dates)
PRD	All priority dates
PRDF	Earliest priority date
PRDL	Latest priority date
QW et QM	Week or month of entry and modification of the record
REAS	US reassignment
REF	Cited non-patent literature
RP	Representative name (for US, EP, WO and FR)
RPAD	Representative country
SEC	Security interest (US)
STDN	Standards citing patents
STG	Definition of kind codes
TECD	Technology domain
TI*	Title in the preferred language

UAB & UAB4	Addition of Human produced English Abstracts 1st time – week & month
UABA & UAA4	Addition of any Human language abstract 1st time – week & month
UCT	Addition of citations – week
UCL	Addition of CPC or US PCL codes – week
UE & UE4	Addition of publication stage – week & month
UMTA & UMT4	Addition of Machine or Human produced English Abstract 1st time – week & month
UP & UP4	Entry of new records in the collection – week & month
XAP	Standardized application numbers
XCT	Standardized cited numbers
XPN	Standardized publication numbers
XPR	Standardized priority numbers

* Do not use =YES withTI or AB fields.

Key Content and Concepts

ADB	Advantages of the invention and drawbacks over prior art
ICLM	Independent claims
KEYW	Concepts
OBJ	Object of invention

Description and Claims

CLMS*	Claims in the preferred language
DESC	English description
DESX	Examples contained in the description of US documents
ECLM	English claims
FCLM	French claims
GCLM	German claims
OCLM	Claims in languages other than English, French or German
ODES	Description in languages other than English

* Do not use =YES with CLMS fields.

Legal Status

ACT	Event text
AD	Date of event publication/communication
APC	Application country affected by the event
APD	Application date affected by the event
CAP	Application number in countries designated by a WO or an EP
CAPD	Date of application in countries designated by a WO or an EP
CC	Designated country affected by the event
CKD	Stage of publication code in the country designated by a WO or an EP
CO	Event code
CPD	Date of publication in the country designated by a WO or an EP
CPN	Publication number in countries designated by a WO or an EP
EED	Actual or expected expiry date
EFFD	Actual date of the event
EG	Event group
EXD	Expiry date
EXTD	Extension date
KD	Stage of publication code (kind code)
PAY	Date of maintenance fee payment
PC	Publication country affected by the event
PD	Publication date affected by the event
PN	Publication number affected by the event
SI	Index assigned to the event (positive or negative)
STATE	State (alive ou dead)
STATUS	Status
WTHD	Withdrawal date
XDAY	Number of extension days
YR	Year number of payment
EUP	Entry or update week of events (ACT)
INV	Inventor(s)
LUP, LGUP	Entry or update week of any legal status information
LUP4	Entry or update month of any legal status information
OPP	Opponent
OWR	Owner/Assignee
REP	Representative in case of change
REQ	Requestor

List of Technology Domains

Below is the list of 35 technology domains which can be used with the index /TECD.

Analysis of Biological Materials
Audio-Visual Technology
Basic Communication Processes
Basic Materials Chemistry
Biotechnology
Chemical Engineering
Civil Engineering
Computer Technology
Control
Digital Communication
Electrical Machinery, Apparatus, Energy
Engines, Pumps, Turbines
Environmental Technology
Food Chemistry
Furniture, Games
Handling
IT Methods for Management
Machine Tools
Macromolecular Chemistry, Polymers
Materials, Metallurgy
Measurement
Mechanical Elements
Medical Technology
Micro-Structure and Nano-Technology
Optics
Organic Fine Chemistry
Other Consumer Goods
Other Special Machines
Pharmaceuticals
Semiconductors
Surface Technology, Coating
Telecommunications
Textile and Paper Machines
Thermal Processes and Apparatus
Transport