SEARCH: QUICK REFERENCE GUIDE

OPERATOR / FIELD	EXPLANATION	EXAMPLE
SEARCH SYNTAX AND EXAMPLES		
BOOLEAN OPERATORS	**AND** - Any document which has the presence of all the terms that are coupled with AND	*T: ((Heat* OR light)* ***AND*** *(Sun OR Moon))*
	OR - Any document containing the presence of at least one of the terms coupled with OR shall be returned	*T: (Heat** ***OR*** *light)*
	NOT – Ignore documents that have the given term	*T: (((Heat* OR light) AND (Sun OR Moon))* ***NOT*** *electric)*
PROXIMITY OPERATORS	**w** - bidirectional proximity	Optic* **w2** fiber – Searches for both Optical fiber and fiber optics
	wd - left-right ordered proximity	(antivirus **wd5** software) : searches for antivirus within 5 words of software and antivirus must appear before software
	ws# and wp# - unordered proximity search within same sentence and same paragraph, where # is the range of occurrence	TAC: (mobile **ws** network) TAC: (mobile **ws3** network)
TRUNCATIONS	**?** matches a single character	*optic? matches optics and not optic or optical*
	***** matches zero or more characters	*optic* matches optic, optics, optical*
	_ matches two words together or with a single hyphen /space	skate_board Matches skateboard, skate-board and skate board
	*# Will match zero to N characters. # is any number.	mix*2 matches mixer and mixed but not mixing
	term~ fuzzy search	brain~ matches brain, brake, crain, drain
SEARCHING FOR DECIMAL, PERCENTAGE AND MATH OPERATORS	5"%"	matches both 5% and 5 %
	5%	same as above
	0.01"%"	matches both 0.01% and 0.01 %
	?"%"	matches all single digit percentages
	??"%"	matches all double digit percentages
	[0 TO 100]"%"	matches 0%, 1%, 2% ….. 99%, 100%
	[0.4 TO 0.49]"%"	matches 0.4%, 0.40%, 0.405%, 0.41%
	[2.1 TO 2.45]"%"	matches 2.1%, 2.101%, 2.11%,…, 2.44%,
	0.1	matches 0.1, 0.1mm, K0.1N
	0.01	matches .01, .01mm
	[0.1 TO 0.3]	matches 0.1, 0.111, 0.101,…, 0.2992, 0.3
	0.?	matches 0.1,…, 0.9
	9e.04	matches 9e.04, 9e .04
	802.11g	matches 801.11g, 802.11 g
CLASS TREE / SUB-TREE SEARCH	Allows you to automatically search for the children of any full IPC, CPC, US or FI classes. The search syntax character for this is $	IC: C01G21/06$ will also search for C01G21/08, C01G21/10, C01G21/12, C01G21/14,

HIT CUTOFF QUERY	The query uses a **|#** syntax that should be added at the end of a word or a phrase.	TAC:(mobile AND network|3) Search for mobile and network but where network appears 3 or more times within TAC
MINIMUM MUST MATCH QUERY	This is query is used when you want to match any X number of words from a list of words.	TAC:any2(compute* or terminal or pc or laptop) : This will match any 2 words from the query.
STEMMING	Add # at the end of the word	Encoding# will get replaced by encod*
TERM BOOSTING	Boost a term or a phrase to influence the relevance order of results. Use^	GPS^4 OR triangulation : matches either words but GPS documents come earlier in results.
CHEMICAL NAME SEARCHING	(2,3-trans)-tetrahydro-2-phenyl-5	TAC:(2 3 trans tetrahydro 2 phenyl 5)
	6(r)-[2-[8(s)(2,2-dimethylbutyryloxy)-2(s)	TAC: (6 r 2 8 s 2 2 dimethylbutyryloxy 2 s)
SIMILARITY SEARCHING	Similar Patents to a given patent or list of patents	SIM:(US5884323A OR US6000000)
FIELD CODES AND EXAMPLES		
T	Title	T:((led OR diode) AND display)
A	Abstract	A:((led OR diode) AND display)
C	Claims	C:((led OR diode) AND display)
INC	Independent Claims	INC:((led OR diode) AND display)
D	Description	D:((led OR diode) AND display)
SOI	Summary of Invention (Within Description)	SOI:((led OR diode) AND display)
ADV	Advantage of Invention (Within Description)	ADV:(improve* w5 (speed or velocity))
DRW	Description of Drawing (Within Description)	DRW:((arm w1 rest) AND chair)
DPA	Prior/Background Art Section within Description	DPA:((led OR diode) AND display)
DEX	Examples Section at end of Description	DEX:((led OR diode) AND display)
TA	Title and Abstract	TA:((led OR diode) AND display)
TAC	Title, Abstract and Claims	TAC:((led OR diode) AND display)
TAI	Title, Abstract and Independent Claims	TAI:((led OR diode) AND display)
TACD	(Full Text) Title, Abstract, Claims and Description	TACD:((led OR diode) AND display)
TAS	Title, Abstract, Summary of Invention	TAS:((led OR diode) AND display)
TAW	Title, Abstract, Drawings section	TAW:((led OR diode) AND display)
TAIS	Title, Abstract, Indep. Claims, Summary of Invention	TAIS:((led OR diode) AND display)
TACS	Title, Abstract, Claims, Summary of Invention	TACS:((led OR diode) AND display)
TAIW	Title, Abstract, Indep. Claims, Drawings	TAIW:((led OR diode) AND display)
TACW	Title, Abstract, Claims, Drawings section	TACW:((led OR diode) AND display)
TAIA	Title, Abstract, Indep. Claims, Advantages	TAIA:((led OR diode) AND display)
TACA	Title, Abstract, Claims, Advantages	TACA:((led OR diode) AND display)
TAIAS	Title, Abstract, Indep. Claims, Advantages, Summary	TAIAS:((led OR diode) AND display)
TACAS	Title, Abstract, Claims, Advantages, Summary	TACAS:((led OR diode) AND display)
TAX	Title, Abstract, Examples Section	TAX:((led OR diode) AND display)
TASX	Title, Abstract, Summary, Examples Section	TASX:((led OR diode) AND display)
TAIX	Title, Abstract, Indep. Claims, Examples	TAIX:((led OR diode) AND display)

TACX	Title, Abstract, Claims, Examples Section	TACX:((led OR diode) AND display)
TAISX	Title, Abstract, Indep. Claims, Summary, Examples	TAISX:((led OR diode) AND display)
TACSX	Title, Abstract, Claims, Summary, Examples	TACSX:((led OR diode) AND display)
FCL	First Claim	FCL:(rechargeable lithium cell and phthalocyanine*)
FCW	First Claims Word Count	FCW:[10 TO 100]
NINC	Number of Independent Claims	NINC:3 AND TAC: sucrose
DATES AND YEARS		
APD	Application Date	APD:2007-06-21; APD:[2001-01-01 TO 2009-12-31]
APY	Application Year	APY:2001; APY:[2001 TO 2004]
EED	Estimated Expiry Date	EED:2012-01-23; EED:[2012-01-01 TO 2015-12-31]
EEY	Estimated Expiry Year	EEY:2015; EEY:[2013 TO 2014]
EPBD	Earliest Publication Date (for Extended Family)	EPBD:2001-01-23; EPBD:[2010-01-01 TO 2010-12-31]
EPBY	Earliest Publication Year (for Extended Family)	EPBY:2001; EPBY:[2001 TO 2002]
EAPY	Earliest Application Year (for Extended Family)	EAPY:2001; EABY:[2001 TO 2002]
EPRD	Earliest Priority Date (for Extended Family)	EPRD:2004-11-21; EPRD:[2001-01-01 TO 2005-12-31]
EPRY	Earliest Priority Year	EPRY:2004; EPRY:[1992 TO 2000]
PBD	Publication Date	PBD:2011-11-20; PBD:[2003-01-01 TO 2007-12-31]
PBY	Publication Year	PBY:2011; PBY:[2010 TO 2011]
PRD	Priority Date (at Record level)	PRD:2001-03-23; PRD:[2001-01-01 TO NOW]
PRY	Priority Year (at Record level)	PRY:2011; PRY:[2010 TO 2011]
SPBD	Earliest Publication Date (for Simple Family)	SPBD:2015-08-17
SABY	Earliest Publication Year (for Simple Family)	SPBY:2001; SPBY:[2001 TO 2002]
SPRY	Earliest Priority Year (for Simple Family)	SPRY:2004; SPRY:[1992 TO 2000]
CLASSIFICATIONS		
AC	All Classes (IPC,CPC,US,FI,FTERM,EC)	AC:(B23B29* OR “713/201”)
CPC	Cooperative Patent Classification (CPC)	CPC:B23B29/24$; CPC:A01N47*
CPCG	CPC Main Group	CPCG:B23B29*
CPSC	CPC Sub Class (First 4 letters)	CPSC:C07C
FI	Japanese File Index Classification	FI:C08L*; FI:"C08L25/04"
FTERM	Japanese FTERM	FTERM:4J001*; FTERM:"3C058/AA09"
FOC	Field of Search	FOS:"714015"
IC	International Classification (All versions)	IC:G06F13*; IC:G06F13/00
ICGR	International Patent Classification Group	ICGR:B66D3
ICO	International Classification (Version 1 to 7)	AC:(B23B29* OR “713/201”)
ICR	International Classification Revised (Ver8 - 9)	ICR:G06F13*; ICR:"G06F13/00"
ICSC	International Patent Classification(Sub-Class)	ICSC:A61K
JFF	Japanese F-I Facets	JFF:LDR
LOC	Locarno Classification	LOC: 1216
UC	US Classification	UC:"713/201"; UC:713*
NCPC	Number of Cooperative Patent Classification	NCPC:[10 TO 15]
NCPSC	Number of Cooperative Patent Classification (Sub Class)	NCPSC:6

NFTERM	Number of Japanese FTERM	NFTERM:50
NICR	Number of International Patent Classification Full	NICR:3
NUC	Number of US Full Classification	NUC:3 AND PBY:2014
NICSC	Number of International Patent Classification Main	NICSC:3
PARTIES (ASSIGNEES, INVENTORS, ATTORNEYS)		
AASN	All Assignee Fields (ASNN, CASN, RASN, ASNO, ASNNL)	AASN:"General Motors"
ASN	Assignee	ASN:"General Motors"
ASNN	Normalized Assignee	ASNN:LG ELECTRONICS CO LTD
ASNNL	Assignee Non Latin	Search within all Non Latin Assignee Names
ASNO	Assignee Original	ASNO:LG ELECTRONICS INC
ASNC	Assignee Country	ASNC:(US OR CA)
ASNA	Assignee Address	ASNA:NY or “New York”
ASNST	Assignee State	ASNST:(CA or California)
ASNCT	Assignee City	ASNCT:Boston
ASNPIN	Assignee City Pincode	ASNPIN:90210
ATN	Attorney, Agent or Firm	ATN:"Richardson"
ATNA	Attorney Address	ATNA:NY or “New York”
ATNPIN	Attorney Pincode	ATNPIN:90210
CAAN	Current Assignee + Original and Normalised Assignees	CAAN:IBM
CASN	Current Assignee	CASN:IBM
PASN	Parent Corporate Owner	PASN:Alphabet
EXMR	Examiner	EXMR:"John"
INV	Inventor	INV:”MICHAEL CLARK”
INVC	Inventor Country	INVC:AU
INVA	Inventor Address	INVA:NY or “New York”
INVST	Inventor State	INVST:WY or Wyoming
INVCT	Inventor City	INVCT:Boston
INVPIN	Inventor City Pincode	INVPIN:90210
RAAN	US Reassignment Assignee + Original and Normalised Assignees	RAAN:IBM
RASN	All Assignees in US Reassignment History	RASN:("International Business Machines" or IBM)
ASNT	Assignee Type	ASNT:Govt
NASNN	Number of normalized Assignee	NASNN:[3 TO 5]
NCASN	Number of Current Assignee	NCASN:[3 TO 5]
NINV	Number of Inventors	NINV:2; NINV:[2 TO 10]
CITATIONS		
ALLCT	All Citations (BCT or FCT)	ALLCT:WO2014150626A1
BCT	Backward Citations	BCT:US6000000
FCT	Forward Citations	FCT:US6000000
FCTPA	Forward Citations by Applicant	FCTPA:US6000000
FCTPX	Forward Citations by Examiner	FCTPX:US6000000
FCTCX	where # can be X,Y,A,D,I,L,O,P,T,E Search in Forward Citations of a particular category #	FCTCX:US6000000
FCTREJ	Forward Citations Rejected by Examiner	FCTREJ:US6000000
REF	References (Non Patent backward citations)	REF:"Physics Today"

NBCT	Number of Backward Citations	NBCT:2; NBCT:[5 TO 100]
NREF	Number of Non-patent References	NREF:[3 TO 100]
COUNTRIES, NUMBERS AND FAMILIES		
APN	Application No	APN:EP20070824897
APNO	Application Number	APNO:553/MUMNP/2009
DS	Designated States	DS:(BE OR AT OR CH)
SFAM	Simple Family	SFAM: EP0261739; SFAM: EP0261739B1
FAMC	SFAM All countries	FAMC:(DE OR FR)
EFAM	Extended Family	EFAM: EP0261739; EFAM: EP0261739B1
EFID	PatSeer Extended Family ID	EFID:4423585
FAMID	PatSeer Simple Family ID	FAMID:27177089
KC	Kind Code	KC:(B1 OR B2)
PN	Patent No	PN: EP0261739
PNC	Patent No with Kind Code	PNC: EP0261739; PNC: EP0261739B1
PNKC	Patent No with Kind Code	PNKC:(EP2469552B1 OR US8261433B1)
PRN	Priority No	PRN:DE200610054043
PBC	Publication Country	PBC:CA
PRC	Priority Country	PRC:(WO OR EP)
PTYP	Record Type (Patent, Application, Utility Model)	PTYP:Patent; PTYP: Application
RPNC	Related Publications of the Input Numbers	US7375059 OR US2010251777 OR CN100361579C
QUERY MODIFIERS		
EFAMOF()	Gives all the extended family members of the results of input query in the result set	EFAMOF(C:((led OR diode) AND display))
SFAMOF()	Gives all the simple family members of the results of input query in the result set	SFAMOF(C:((led OR diode) AND display))
BCTOF()	Gives backward. Only the first 1000 results of input query are considered.	BCTOF(TAC:((led OR diode) AND display))
FCTOF()	Gives forward. Only the first 1000 results of input query are considered.	FCTOF(TAC:((led OR diode) AND display))
NLPH()	Runs a Natural Language Search in High Sensitivity Mode over given text.	NLPH(TAC:(This statement is only an example of the free text.))
NLPM()	Runs a Natural Language Search in Medium Sensitivity Mode over given text.	NLPM(TACD:(This statement is only an example of the free text.))
NLPL()	Runs a Natural Language Search in Low Sensitivity Mode over given text.	NLPL(TA:(This statement is only an example of the free text.))
OTHER OPERATORS / FIELDS		
SEARCHING IN OTHER LANGUAGES	Search in All Languages	T$, A$, C$, D$, TA$, TAC$, TACD$
	Search in English	T, A, C, D, TA, TAC, TACD
	Search in German	TDE, ADE, CDE, DDE, TADE, TACDE, TACDDE
	Search in French	TFR, AFR, CFR, DFR, TAFR, TACFR, TACDFR
	Search in Korean	TKR, AKR, CKR, DKR, TAKR, TACKR, TACDKR
	Search in Japanese	TJA, AJA, CJA, DJA, TAJA, TACJA, TACDJA
	Search in Spanish	TES, AES, CES, DES, TAES, TACES, TACDES
	Search in Chinese	TZH, AZH, CZH, DZH, TAZH, TACZH, TACDZH
	Search in Russian	TRU, ARU, CRU, DRU, TARU, TACRU, TACDRU
	Search in Swedish	TSV, ASV, CSV, DSV, TASV, TACSV, TACDSV
	Search in Portuguese	TPT, APT, CPT, DPT, TAPT, TACPT, TACDPT

	Search in Thai	TTH, ATH, CTH, DTH, TATH, TACTH, TACDTH
	Search in Other Languages	TOH, AOH, COH, DOH, TAOH, TACOH, TACDOH
ANYIC	Any IC of input patent number	ANYIC: WO2014028879A1
ALLIC	All IC of input patent number	ALLIC: WO2014028879
ALLICGR	All IC Group of input patent number	ALLICGR: WO2014028879A1
ALLICSC	All IC Sub-Class of input patent number	ALLICSC: WO2014028879A1
ANYUC	Any UC of input patent number	ANYUC: US6667125B2
ALLUC	All UC of input patent number	ALLUC: US6667125B2
ALLUCMN	All UC Main Class of input patent number	ALLUCMN: US6667125B2
ANYCPC	Any CPC Class of input patent number	ANYCPC:EP2711422
ALLCPC	All CPC Class of input patent number	ALLCPC:EP2711422
ALLCPCG	All CPC Group of input patent number	ALLCPCG: WO2014028879
ALLCPSC	All CPC Sub-Class of input patent number	ALLCPSC: WO2014028879A1
ANYASN	Any Assignee of input patent number	ANYASN: CN203179714U
ALLASN	All Assignee of input patent number	ALLASN: CN203179714
ANYINV	Any Inventor of input patent number	ANYINV: EP2711422
ALLINV	All Inventor of input patent number	ALLINV: EP2711422A1
LEGAL STATUS SEARCHING	Matches all legal events in DE. EP and PCT records that face a legal event in their national phase DE records are also matched.	LSE:DE
	Matches all legal events in DE in 2004	LSE:(DE 2004)
	Matches DE and PRS Code R123	LSE:(DE wd5 R123)
	Matches records that have PRS code R123 in DE in year 2004	LSE:((DE 2004) wd5 R123)
	Matches all records that have “Revoked” mentioned anywhere in their legal status	LSE:Revoked
	Matches all records that have Revoked mentioned in their legal events for DE	LSE:(DE wd10 Revoked)
	Same as above but only for events in 2004	LSE:((DE 2004) wd10 Revoked)
	Matches any LSE update on 15th Jan 2015	LSE:20150115
	Matches any LSE update for the range	LSE:[20151001 TO 20151130]
	Matches any LSE update in October	LSE:[201510 TO 201510] Alternatively, you can use LSE:[20151001 TO 20151031]
	Matches any LSE update in month of October and November 2015	LSE:[201510 TO 201511]
	Matches any LSE update in 2014 or 2015 (No change if only searching by year)	LSE: [2014 TO 2015]
	Matches any LSE update on 15th or 16th of October 2015	LSE:[20151015 TO 20151016]