

#### NUMERICAL OPERATORS

Equal = @pd=19971118 or search 19971118.pd.  
Greater than > @ad>19961231  
Greater than or equal to >= @ay>=1997  
Less than < @py<1997  
Less than or equal to <= @py<=1975  
Not equal to <> @pd<>19971118  
Range >=...<= @ay>=1980<=1985

#### ORDER OF EXECUTION

TERMS ENCLOSED IN PARENTHESES

ADJ, NEAR  
WITH  
SAME  
AND, NOT  
XOR  
OR

#### PUBLICATION TYPE CODES

S = Design H = Statutory Invention Registration (SIR)  
P,P2,P3 = Plant i4 = Defensive (T)  
P1 = Plant Pre-Grant Publication  
E = Reissue A = Utility Patent  
A1,A2,A9 = Pre-Grant Publication  
B1,B2 = Utility Patent

#### PATENT APPLICATION SERIES CODES

02 BEFORE 1-1-48 08 1-1-93 to 12-31-97  
03 1-1-48 to 12-31-59 09 1-1-98 to 10-23-01  
04 1-1-60 to 12-31-69 10 10-24-01 to 11-30-04  
05 1-1-70 to 12-21-78 11 12-1-04 to 12-6-07  
06 1-1-79 to 12-31-86 12 12-6-07 to 12-17-10  
07 1-1-87 to 12-31-92 13 12-17-10 to present  
29 - Designs ("D" used with APP, 29 used with APNR)  
60 & 61 - Provisional applications

#### PRE-DEFINED DISPLAY FORMATS in EAST and WEST

FULL Full text of patent record  
TI Title, Patent Number, Document Identifier  
FRO Entire Front Page and Art Unit  
CIT Patent Number, issue date, title, inventors, current classification  
REV Review (CIT + abstract)  
CLS Current Classification  
DT Date  
REF References  
CLM Claims  
KWIC Key Word in Context

#### Additional DISPLAY FORMATS in WEST only

PN Patent numbers for US patents, in a spaced format  
PNO Columnar list of patent numbers for copying and pasting into other applications

#### Additional display FORMATS in EAST only

CIT + Abstract + Claims  
CIT + Abstract + DT + KWIC  
CIT + Abstract + KWIC  
DT + KWIC  
FRO + Claims

FRO + KWIC

#### SEARCHING TIPS

##### DEFAULT OPERATORS

The default operator in WEST can be set from Main Menu >Preferences>User Profile. User can set default operator to be OR, AND, or ADJ.  
The default operator in EAST Tools>Options can be set by the user to be other than "OR".

Remember:

> Setting the plurals on in the USER PROFILE (from the main menu in WEST User Profile or from Tools/Options in EAST) will retrieve regular and irregular plurals, common British spellings, and defined abbreviations.

Example: L1 Color (will retrieve color, colors, colour, colours)

> To retrieve words that may be joined or hyphenated, search:

Example: L1 Nonskid or non adj skid

> Avoid truncation overflow by using limited truncation (\$n)

Example: L1 modif\$3

> Use Forward reference index field in EAST and WEST

Example: Both the UREF and URPN index field work in EAST & WEST if entering a search in EAST BRS form or WEST Freeform search form.

> To eliminate US records from Derwent/EPO searches

Example: L2 not US.PC. (L# not US.PC)

> Specific date/year searches are faster than date range searches.

Example: L1 (1984 or 1985 or 1986 or 1987).PY.

> To narrow a subject matter/assignee/inventor etc. to a specific type of patent such as Design, search:

Example: L1 Iron and S.AT. (S is a code that equals Design Application Type)

> In searching a digest subclass, search:

Example: L1 (292/DIG.31 or (292/DIG adj "31").CCLS.

> Combine search statements using L numbers in either EAST or WEST  
Example: L1 not L2

#### ADDITIONAL RESOURCES:

Online Help: Click on the Help menu in EAST or the Help buttons from expanding menu in WEST.

Automation Help Desk: 671-272-9000

ITRP: Information Technology Resource Providers

Find yours at:

<http://uspto-a-patfr-2/siraapps/stic/npl/nplstaffist.htm>

STIC Libraries & Electronic Information Centers:

<http://uspto-a-patfr-2/siraapps/stic/npl/nplstichours.htm>

EASTWEST Home pages:

<http://ptoweb/patents/opa/east.htm> and <http://ptoweb/patents/opa/west.html>

Search Strategy and References:

<http://ptoweb/patents/opa/srchstrat.html>

For questions, suggestions, and information contact PASM (Patent Automation Support Manager) at:  
<http://uspto/c/sites/patb/pas>

## QUICK REFERENCE GUIDE

FOR

WEST



AND

EAST



Q05391.09  
11/2011

**FIELD DESCRIPTION INDEX EXAMPLE**

Note: Either periods .AA, or brackets [AA] can be used to identify an index. Example: 6000000.PN, or 6000000[PN]  
All years are searched in the YYYY format  
All dates are searched in the YYYYMMDD format

**PRIOR-PUBLICATION**

Filing Date	AD..FD.	19961231.AD.
Number (6 digits required)	AP..APN.	012345.AP.
Type Code (S, P, E, H, I, A)	AT..KD.	SAT (design)
Filing Year	AY..FY.	1980 AY.
Parent Case Information	.PARN.	239099.PARN.
Series code	.SRC.	"05".SRC. and 263721.AP.
Application Index	.APP.	08/123557.APP.
		D/000123.APP.
Series Code & Application Number	.APNR.	29223456.APNR.
		1300070.APNR
Prior-Publication	.PDID.	US-20040110????-A1.PDID.
Prior-Publication Date	.PPPD.	20040617.PPPD.

**APPLICATION - FOREIGN PRIORITY**

Application Number	.PRAN..PRN.	286646.PRAN.
Country	.PRCO..PRC.	GB.PRCO.
Date	.PRAD..PRD.	19901222.PRAD.
Year	.PRAY..PRY.	1995.PRAY.

**RELATED APPLICATION**

Application Filing Date	.RLAD..RLFD.	19921221.RLAD.
Application Number	.RLAN.	1234.RLAN.
Patent Issue Date	.RLPD.	19810210.RLPD.
Patent Number	.RLPN.	4250020.RLPN.

**ART UNIT**

ART UNIT	.ART..UNIT.	3762.ART.
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**ASSIGNEE**

City	.ASCI.	"falls church".ASCI.
Country Code	.ASCO..ASCC, FR, ASCO	
Name (bound phrase or single word)	.AS.	active adj voice\$.AS. dow.AS.
Assignee Group (all assignee data)	.ASGP.	(York SAME PA).ASGP.
Descriptive text	.ASTX.	germany.ASTX.
State (two digit code)	.ASST.	va.ASST.
Zip code (not in all patents)	.ASZP.	23113.ASZP.

**CLASSIFICATION \*** (must apply index qualifiers for current classification, including MOC, searching)

<b>Current</b> US classification info.	.CCLS.	700/108.CCLS.
US Original class	.COR..CCOR.	218/118.COR.
US Cross Reference	.CXR..CCXR.	435/170.CXR.
US Class	.CLAS.	128.CLAS.
<b>Issued</b> US Classification info	.ICLS.	312/114.ICLS.
US Original Class	.JOR..CIOR.	312/114.JOR.
US Cross-Reference	.IXR..CIXR.	312/114.IXR.
<b>Range</b> (MOC order)	.CCLS.	435/170-174.CCLS.
	.COR.	435/170-174.COR.
	.CXR.	435/170-174.CXR.

**FIELD DESCRIPTION INDEX EXAMPLE**

IPC Issued	.IPC.	H04N005/225.IPC.
IPC Issued Class	.IPCC.	H04N.IPCC.
IPC Current	.IPCR.	H04N5/74.IPCR.
IPC Current Class	.CICL.	H04N.CICL.

<b>DISCLAIMER DATE</b>	.DD.	20100930.DD.
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**FIELD OF CLASSIFICATION SEARCH**

US and IPC	.FS.	(382/161 OR H04N007/12).FS.
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<b>ENTIRE PATENT</b> (Default)	None	tree and lights
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<b>BASIC INDEX</b> (ti,ab,spec,dms)	.BI.	(christmas lights).BI.
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**EXAMINER**

Assistant	.XA.	thompson.XA.
Primary	.XP.	clafly-kathleen-h.XP. clafly ADJ kath\$.XP.

Name format is *lastname-firstname.XA,XP*. Use hyphens or ADJ for full name searching.

<b>GOVERNMENT INTEREST</b>	.GI.	army.GI.
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**INVENTOR**

City	.INCL.	arlington.INCL.
Country	.INCO..INCC.	gb .INCO.
Descriptive text (c/o # Collins)	.INTX.	collins.INTX.
Inventor Group	.INGP.	(David ADJ Redmond).INGP.
Name (Bound phrase+single word)	.IN.	yates-john-b.IN. yates.IN

State	.INST.	va.INST.
Street address	.INSA.	collins.INSA.
Zipcode (not in all patents)	.INZP.	43210.INZP.

**LEGAL\***

Attorney or Firm	.ATT.	Anderson.ATT. vance-david\$.ATT.
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**PATENT INFORMATION\***

Number (7 characters required).	.PN.	5000000.PN. pp00123.PN. d011023.PN. re00003.PN.
Document Identifier	.DID.	US-8000000-B2.DID. US-1234567-\$.DID.
Issue Date	.PD..ISD.	19971118.PD.
Issue Year	.PY..ISY.	1997.PY.

**PATENT SECTIONS \***

Abstract	.AB.	tree.AB.
Brief Summary	.BSUM.	sweetener.BSUM.
Claims	.CLM.	spice.CLM.
Detailed Description	.DETD.	flag adj pole.DETD.
Drawing Description (Pre-2006)	.DRWD.	pole.DRWD.
Title	.TI.	sugar.TI.

**PCT**

Application Number	.PTAN.	Pct/de91/00507.PCT.
Filing Date	.PTAD.	19910619.PTAD.
371 Date	.PT3D.	19921221.PT3D.
Publication Number	.PTPN.	WO91/20065.PTPN.
Publication Date	.PTPD.	19911226.PTPD.

**FIELD DESCRIPTION INDEX EXAMPLE**

**REFERENCES\***

<b>Foreign</b>		
Cited	.FRPN.	23456.FRPN.
Patent Date	.FRPD.	19850700.FRPD.
Country Code	.FRCO.	(JP or JPX).FRCO.
IPC (pre-2006)	.FIPC.	G06F001/\$3.FIPC.
Reference Group	.FRGP.	(WO SAME 20110100).FRGP.
Reference US Classification	.FRCL.	327/166.FRCL.
Publications- Other	.OREF.	Karlin.OREF.
U.S. Patent Publications	.UREF.	5000000.UREF. Young.UREF.

US Reference Group	.URGP.	
US Reference US Classification	.URCL.	

To concurrently search .FRPN., .FRPD., .FRCO., or .FIPC., use .FRGP.

**REISSUE** (Information derived from original patent)\*

Application Filing Date	.READ..REFD.	19950106.REFD.
Application Number	.REAN.	369625.REAN.
Issue Date	.REPD.	19960903.REPD.
Patent number (must be 8 digits)	.REPN.	05551514.REPN.

**RULE 47 INDICATOR**

US Patents (pre-2006)	.R47X.	*4.R47X.
US Patents	.R47X.	Y.R47X.

**BOOLEAN OPERATORS**

OR	TermA or TermB or both are in the patent
AND	TermA and TermB are both in the patent
NOT	TermA not TermB is in the patent
XOR	TermA or TermB but not both is in the patent

**PROXIMITY OPERATORS**

ADJ	TermA next to TermB in the order specified in the same sentence
ADJn	TermA within n terms of B in the order specified in the same sentence
NEAR	TermA next to TermB in any order in the same sentence
NEARn	TermA within n terms of B in any order in the same sentence
WITH	TermA in the same sentence with TermB
SAME	TermA in the same paragraph with TermB
SAMEn	TermA within n paragraphs of TermB (n can be 1-99)

**TRUNCATION**

\$	Zero to unlimited characters	polymer\$
\$n	Zero to n extra characters	\$conductor
\$\$\$cc\$	Simultaneous Left and Right Truncation (root term must have a minimum of 4 characters)	\$carphalang\$
?	Exactly one character	dispens?r
!	Turns plurals off (if set on)	ZnSi (not Zn)

**Note: Search indices are not case sensitive**

\* See the WEST and EAST Help. This reference card does not contain all searchable indexes for US Patents Full Text. NOTE: Refer to "Additional Resources" section of QRG for more information.