



Guide to Searching EPO Citation Relevancy Indicators in PlusPat

Relevancy indicators, or category codes, are applied by examiners during the examination process to indicate the level of relevance of the documents cited in the search report to the published application. While all codes can be important depending on the particular interest, only the X and Y codes can potentially limit or prevent an application's grant.

Although these category codes have always existed in PlusPat within the CT field (Citation or Search Report) they have essentially been used for display only, thus making it difficult to effectively use them for searching and analysis.

These indicators can be found in EP, PCT and FR cited references in PlusPat.

This is an example of the search report field for a PCT publication (the relevancy indicators are bolded).

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CT - Cited in the search report
    - EP1001287(A) (Cat. X);WO9941858(A) (Cat. X);US5748815(A) (Cat. X);WO0107947(A) (Cat. X,P,L);US5774264(A) (Cat. A);WO0039629(A) (Cat. A)
    - ELREFAIE A: "Multiwavelength survivable ring network architectures" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS (ICC). GENEVA, MAY 23 - 26, 1993, NEW YORK, IEEE, US, vol. 3, 23 May 1993 (1993-05-23), pages 1245-1251, XP010136979 ISBN: 0-7803-0950-2 (Cat. X)
    - HE J-J ET AL: "Integrated waveguide WDM demultiplexers" LASERS AND ELECTRO-OPTICS, 1999. CLEO/PACIFIC RIM '99. THE PACIFIC RIM CONFERENCE ON SEOUL, SOUTH KOREA 30 AUG.-3 SEPT. 1999, PISCATAWAY, NJ, USA, IEEE, US, 30 August 1999 (1999-08-30), pages 1200-1201, XP010364370 ISBN: 0-7803-5661-6 (Cat. Y)
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New Fields for Category Codes

To facilitate searching and analysis of this information, we have created additional standardized crossfile searchable citation fields containing the patent and NPL numbers.

The new fields are shown below for the previous example.

```
XCT - EP1001287 WO9941858 US5748815 WO200107947 US5774264
      WO200039629 XP10136979 XP10364370
XCTA- US5774264 WO200039629
XCTL- WO200107947
XCTP- WO200107947
```

XCTX- EP1001287 WO9941858 US5748815 WO200107947 XP10136979
XCTY- XP10364370

All the cited references, regardless of category, are included in the XCT field as they have been in the past, and new fields have been created containing the particular patent numbers.

While these fields are available for crossfile searching using the MEM command, they are hidden and not included in any display formats.

Category Codes and PlusPat Fields

Category Field Description

Categories Indicating Particular Relevance

- X** **XCTX field High Relevancy**
The claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y** **XCTY field High Relevancy when combined**
The claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Categories Indicating other Relevant Prior Art

- A** **XCTA field Tech Background**
Document defining the general state of the art which is not considered to be of particular relevance
- D** **XCTD field Cited in the application**
Document cited by the applicant in the application and which document (reference) was referred to in the course of the search procedure. Code “D” should always be accompanied by one of the categories indicating the relevance of the cited document
- E** **XCTE field Earlier publication**
Earlier patent document as defined in Rule 33.1(c) of the Regulations under the PCT, but published on or after the international filing date
- L** **XCTL field Relevant for other reasons**
Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (the reason for citing the document shall be given)
- O** **XCTO field Non-written disclosure**

Document referring to an oral disclosure, use, exhibition or other means

- P** **XCTP field Intermediate Relevancy**
Document published prior to the filing date (in the case of the PCT, the international filing date) but later than the priority date claimed in the application. Code “P” should always be accompanied by one of the categories “X,” “Y” or “A”
- T** **XCTT field Theory/Principle Relevancy**
Later document published after the filing date (in the case of the PCT, the international filing date) or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

Using the Relevancy Category Codes

The relevancy category codes can be used in a number of ways.

1. Direct search using field qualification or MEM/*MEM feature
2. Limiting search to category code using the field availability feature
3. Analysis using the MEMS/*MEMS feature

1. Direct Search

Patent numbers can be directly searched using one or more of the citation relevancy fields.

Example:

US5991482/xctx

Searches the XCTX field

** SS 2: Results 4

US5991482/xctx /xcty /xcta /xctd

Multiple field search

** SS 3: Results 5

US5991482/xct

Searches all cited references

** SS 4: Results 8

Direct search using the Family and MEM/*MEM Feature

? **fam US5991482/xpn**

Family search

1 Patent Groups

** SS 1: Results 4

Search statement 2

? prt set

Display records

1/4 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - US5991482 A 19991123 [US5991482]
STG - (A) United States patent
TI - (A) Optic wavelength dispersing system
PA - (A) INSTRUMENTS SA (FR)
PA0 - Instruments S.A., Paris [FR]
IN - (A) LAUDE JEAN-PIERRE (FR)
IC - (A) G02B-006/26
AP - US97224397 19971118 [1997US-0972243]
PR - FR9708886 19970711 [1997FR-0008886]
EC - G02B-006/34B4
PCL - ORIGINAL (O) : 385037000; CROSS-REFERENCE (X) :
385015000 385031000 385033000
DT - Corresponding document

2/4 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - FR2765972 A1 19990115 [FR2765972]
STG - (A1) Application, first publication
OTI - (A1) SYSTEME OPTIQUE A DISPERSION EN LONGUEUR D'ONDE
IT - OPTICS; DISPERSION; WAVE LENGTH; BEAM; GRATING; BRACKET;
BLADE; FACE; COEFFICIENT OF EXPANSION; INDEX VARIATION
PA - (A1) INSTRUMENTS SA (FR)
PA0 - INSTRUMENTS SA; 25 AVENUE DE L OPERA 75001 PARIS (FR)
- HIGHWAVE OPTICAL TECHNOLOGIES; ESPACE INDUSTRIEL
LANNION PEGASE LOUIS DE BROGLIE 22300 LANNION (FR)
IN - (A1) LAUDE JEAN PIERRE
IC - (A1) G02B-006/34 H04B-010/12 H04J-014/02
PN2 - FR2765972 B1 19990924 [FR2765972]
STG2- (B1) Patent of invention (2nd publication)
OTI2- (B1) SYSTEME OPTIQUE A DISPERSION EN LONGUEUR D'ONDE
PA2 - (B1) INSTRUMENTS SA (FR)
IN2 - (B1) LAUDE JEAN PIERRE
IC2 - (B1) G02B-006/34 H04B-010/12 H04J-014/02
AP - FR9708886 19970711 [1997FR-0008886]
PR - FR9708886 19970711 [1997FR-0008886]
EC - G02B-006/34B4
DT - Corresponding document

3/4 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - EP0890855 A1 19990113 [EP-890855]
STG - (A1) Public. Of applic. With search report
TI - (A1) Wavelength dispersion optical system
OTI - (A1) Syst_me optique _ dispersion en longueur d'onde
- (A1) Wellenl_ngedispersion optisches System
PA - (A1) INSTRUMENTS SA (FR)
IN - (A1) LAUDE JEAN-PIERRE (FR)
IC - (A1) G02B-006/34
LA - FRENCH (FRE)
AP - EP98401732 19980708 [1998EP-0401732]
PR - FR9708886 19970711 [1997FR-0008886]
EC - G02B-006/34B4
DS - DE FR GB IT
DT - Basic

4/4 PLUSPAT - (C) QUESTEL-ORBIT
PN - JP11125733 A 19990511 [JP11125733]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) OPTICAL WAVELENGTH DISPERSION SYSTEM
PA - (A) INSTRUMENTS SA
PA0 - (A) INSTRUMENTS SA
IN - (A) LAUDE JEAN-PIERRE
IC - (A) G02B-006/293
AP - JP22850098 19980708 [1998JP-0228500]
PR - FR9708886 19970711 [1997FR-0008886]

Search statement 2

? **mem /xpn**

Extract the patent numbers

Total number of terms extracted: 4
Number of terms added to MEM1 : 4
First term introduced for extraction: 1

Search statement 2

? **li mem**

Display the patent numbers (optional)

Memory is of type MEM (crossfile searching)
TERM
1 US5991482
2 FR2765972
3 EP-890855
4 JP11125733

Search statement 2

? ***mem /xct**

Search the patent numbers in the cited patent field – this searches all the cited patents regardless of relevancy code.

Frequency	Term
8	US5991482/CT
0	FR2765972/CT
2	EP-890855/CT
0	JP11125733/CT

** SS 2: Results 10

Search statement 3

? ***mem /xctx**

Search the patent numbers for the X relevancy code.

Frequency	Term
4	US5991482/XCTX
0	FR2765972/XCTX
1	EP-890855/XCTX
0	JP11125733/XCTX

** SS 3: Results 5

Search statement 4

? *mem /xctx /xcty /xcta /xctd /xcte /xctl /xctp /xctt

Multiple field qualification is available.

Frequency	Term
1	US5991482/XCTA
0	FR2765972/XCTA
0	EP-890855/XCTA
0	JP11125733/XCTA
4	US5991482/XCTX
0	FR2765972/XCTX
1	EP-890855/XCTX
0	JP11125733/XCTX
0	US5991482/XCTY
0	FR2765972/XCTY
0	EP-890855/XCTY
0	JP11125733/XCTY
0	US5991482/XCTP
0	FR2765972/XCTP
0	EP-890855/XCTP
0	JP11125733/XCTP
0	US5991482/XCTT
0	FR2765972/XCTT
0	EP-890855/XCTT
0	JP11125733/XCTT
0	US5991482/XCTE
0	FR2765972/XCTE
0	EP-890855/XCTE
0	JP11125733/XCTE
0	US5991482/XCTD
0	FR2765972/XCTD
0	EP-890855/XCTD
0	JP11125733/XCTD
0	US5991482/XCTL
0	FR2765972/XCTL
0	EP-890855/XCTL
0	JP11125733/XCTL

** SS 4: Results 6

? prt (record displays are abbreviated)

1/6 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - WO200195542 A2 20011213 [WO200195542]
STG - (A2) Publ. Of int. Appl. W/out int. Search rep
TI - (A2) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
DIFFRACTION GRATING BASED SPECTROMETER DEVICES
OTI - (A2) ATHERMALISATION ET DESENSIBILISATION A LA PRESSION
DE SPECTROMETRES A RESEAUX DE DIFFRACTION
PA - (A2) LIGHTCHIP INC (US)
PA0 - LIGHTCHIP, INC.; 27 Northerwestern Drive, Salem, NH
03079 (US)
IN - (A2) CAPIELLO GREGORY S
IC - (A2) G01J-003/18 H04B-010/08 H04J-014/02
PN2 - WO200195542 A3 20030807 [WO200195542]
STG2- (A3) Subsqu. Publ. Of int. Search report
TI2 - (A3) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
DIFFRACTION GRATING BASED SPECTROMETER DEVICES
OTI2- (A3) ATHERMALISATION ET DESENSIBILISATION A LA PRESSION
DE SPECTROMETRES A RESEAUX DE DIFFRACTION
PA2 - (A3) LIGHTCHIP INC (US)
IN2 - (A3) CAPIELLO GREGORY S
IC2 - (A3) G01J-003/18 H04B-010/08 H04J-014/02
LA - ENGLISH (ENG)
AP - WOUS0117832 20010601 [2001WO-US17832]
PR - US20847700P 20000602 [2000US-P208477]
- US20847800P 20000602 [2000US-P208478]
- US72463800 20001128 [2000US-0724638]
CT - Cited in the search report
- US5991482(A) (Cat. X);US6011884(A) (Cat.
A);EP962792(A) (Cat. A);EP123237(A) (Cat.
A);US6307657(B1) (Cat. E)

2/6 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - WO200195539 A2 20011213 [WO200195539]
STG - (A2) Publ. Of int. Appl. W/out int. Search rep
TI - (A2) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
DIFFRACTION GRATING BASED SPECTROMETER DEVICES
OTI - (A2) ATHERMALISATION ET DESENSIBILISATION DE PRESSION
DE RESEAU DE DIFFRACTION A L'AIDE DE DISPOSITIFS DE
SPECTROMETRIE
PA - (A2) LIGHTCHIP INC (US)
PA0 - LIGHTCHIP, INC.; 27 Northerwestern Drive, Salem, NH
03079 (US)
IN - (A2) CAPIELLO GREGORY S
IC - (A2) G01J-003/18 H04B-010/08 H04J-014/02
PN2 - WO200195539 A3 20030109 [WO200195539]
STG2- (A3) Subsqu. Publ. Of int. Search report
TI2 - (A3) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
DIFFRACTION GRATING BASED SPECTROMETER DEVICES
OTI2- (A3) ATHERMALISATION ET DESENSIBILISATION DE PRESSION
DE RESEAU DE DIFFRACTION A L'AIDE DE DISPOSITIFS DE
SPECTROMETRIE
PA2 - (A3) LIGHTCHIP INC (US)
IN2 - (A3) CAPIELLO GREGORY S

IC2 - (A3) G01J-003/18 G02B-006/34 H04B-010/08 H04J-014/02
 LA - ENGLISH (ENG)
 AP - WOUS0117598 20010601 [2001WO-US17598]
 PR - US20847700P 20000602 [2000US-P208477]
 - US20847800P 20000602 [2000US-P208478]
 - US72460400 20001128 [2000US-0724604]
 CT - Cited in the search report
 - US5991482(A) (Cat. X);US6307657(B1) (Cat.
 E);EP942265(A) (Cat. A);EP123237(A) (Cat.
 A);US6011884(A) (Cat. A)
 - LAUDE J P: "New athermal very dense wavelength
 division multiplexers" ECOC 2000. 26TH EUROPEAN
 CONFERENCE ON OPTICAL COMMUNICATION, PROCEEDINGS OF
 26TH EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION,
 MUNICH, GERMANY, 3-7 SEPT. 2000, pages 181-182 vol.3,
 XP008007173 2000, Berlin, Germany, VDE Verlag, Germany
 ISBN: 3-8007-2567-3(Cat. A)

3/6 PLUSPAT - (C) QUESTEL-ORBIT- image
 PN - WO200195537 A2 20011213 [WO200195537]
 STG - (A2) Publ. Of int. Appl. W/out int. Search rep
 TI - (A2) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
 DIFFRACTION GRATING BASED WDM DEVICES
 OTI - (A2) ATHERMALISATION ET DESENSIBILISATION A LA PRESSION
 DE DISPOSITIFS DE MULTIPLEXAGE/DEMULTIPLEXAGE EN
 LONGUEUR D'ONDE BASES SUR DES RESEAUX DE DIFFRACTION
 PA - (A2) LIGHTCHIP INC (US)
 PA0 - LIGHTCHIP, INC.; 27 Northwestern Drive, Salem, NH 03079
 (US)
 IN - (A2) CAPPIELLO GREGORY G; DUECK ROBERT H
 IC - (A2) H04J-014/00
 PN2 - WO200195537 A3 20030313 [WO200195537]
 STG2- (A3) Subsqu. Publ. Of int. Search report
 TI2 - (A3) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
 DIFFRACTION GRATING BASED WDM DEVICES
 OTI2- (A3) ATHERMALISATION ET DESENSIBILISATION A LA PRESSION
 DE DISPOSITIFS DE MULTIPLEXAGE/DEMULTIPLEXAGE EN
 LONGUEUR D'ONDE BASES SUR DES RESEAUX DE DIFFRACTION
 PA2 - (A3) LIGHTCHIP INC (US)
 IN2 - (A3) CAPPIELLO GREGORY G; DUECK ROBERT H
 IC2 - (A3) G02B-006/293
 LA - ENGLISH (ENG)
 AP - WOUS0117835 20010601 [2001WO-US17835]
 PR - US20848200P 20000602 [2000US-P208482]
 - US20847800P 20000602 [2000US-P208478]
 - US72477100 20001128 [2000US-0724771]
 CT - Cited in the search report
 - US5991482(A) (Cat. X);WO0120372(A) (Cat.
 X,P);US6169838(B1) (Cat. X,P);US5799118(A) (Cat.
 A);EP123237(A) (Cat. A);US6011884(A) (Cat. A)
 - PATENT ABSTRACTS OF JAPAN vol. 007, no. 078 (P-188), 31
 March 1983 (1983-03-31) -& JP 58 009119 A (NIPPON DENKI
 KK), 19 January 1983 (1983-01-19) (Cat. A)
 - PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03, 28 April
 1995 (1995-04-28) -& JP 06 331850 A (MATSUSHITA
 ELECTRIC IND CO LTD), 2 December 1994 (1994-12-02) (Cat.
 A)

4/6 PLUSPAT - (C) QUESTEL-ORBIT- image
 PN - WO200194998 A2 20011213 [WO200194998]
 STG - (A2) Publ. Of int. Appl. W/out int. Search rep
 TI - (A2) IMPROVED DIFFRACTION GRATING FOR WAVELENGTH
 DIVISION MULTIPLEXING/DEMULPLEXING DEVICES
 OTI - (A2) RESEAU DE DIFFRACTION AMELIORE POUR DISPOSITIFS DE
 MULTIPLEXAGE/DEMULPLEXAGE EN LONGUEUR D'ONDE
 PA - (A2) LIGHTCHIP INC (US)
 PA0 - LIGHTCHIP, INC.; 27 Northwestern Drive, Salem, NH 03079
 (US)
 IN - (A2) SOKOLSKIY MIKHAIL N; WADE ROBERT K; ZHU NINGHUI;
 TURNER IAN; YUDIN YURI A
 IC - (A2) G02B-006/00
 PN2 - WO200194998 A3 20030313 [WO200194998]
 STG2- (A3) Subsqu. Publ. Of int. Search report
 TI2 - (A3) TEMPERATURE-COMPENSATED BULK DIFFRACTION GRATING
 FOR WAVELENGTH DIVISION MULTIPLEXER (WDM)
 OTI2- (A3) RESEAU DE DIFFRACTION AMELIORE POUR DISPOSITIFS DE
 MULTIPLEXAGE/DEMULPLEXAGE EN LONGUEUR D'ONDE
 PA2 - (A3) LIGHTCHIP INC (US)
 IN2 - (A3) SOKOLSKIY MIKHAIL N; WADE ROBERT K; ZHU NINGHUI;
 TURNER IAN; YUDIN YURI A
 IC2 - (A3) G02B-006/34
 LA - ENGLISH (ENG)
 AP - WOUS0117834 20010601 [2001WO-US17834]
 PR - US58726600 20000605 [2000US-0587266]
 CT - Cited in the search report
 - US3698795(A) (Cat. A);US6055349(A) (Cat.
 A);US5991482(A) (Cat. A);US5799118(A) (Cat.
 A);WO0120372(A) (Cat. A,P)
 - MOSHREFZADEH R S ET AL: "TEMPERATURE DEPENDENCE OF
 INDEX OF REFRACTION OF POLYMERIC WAVEGUIDES" JOURNAL OF
 LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 10, no.
 4, 1 April 1992 (1992-04-01), pages 420-425,
 XP000272899 ISSN: 0733-8724(Cat. A)
 - PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30
 September 1999 (1999-09-30) -& JP 11 150324 A (NEC
 CORP), 2 June 1999 (1999-06-02) (Cat. A)

5/6 PLUSPAT - (C) QUESTEL-ORBIT- image
 PN - WO200194996 A2 20011213 [WO200194996]
 STG - (A2) Publ. Of int. Appl. W/out int. Search rep
 TI - (A2) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
 DIFFRACTION GRATING BASED WDM DEVICES
 OTI - (A2) ATHERMALISATION ET DESENSIBILISATION DE PRESSION
 DE DISPOSITIFS WDM A RESEAU DE DIFFRACTION
 PA - (A2) LIGHTCHIP INC (US)
 PA0 - LIGHTCHIP, INC.; 27 Northwestern Drive, Salem, NH 03079
 (US)
 IN - (A2) CAPPIELLO GREGORY G; DUECK ROBERT H
 IC - (A2) G02B-006/00
 PN2 - WO200194996 A3 20030220 [WO200194996]
 STG2- (A3) Subsqu. Publ. Of int. Search report
 TI2 - (A3) ATHERMALIZATION AND PRESSURE DESENSITIZATION OF
 DIFFRACTION GRATING BASED WDM DEVICES
 OTI2- (A3) ATHERMALISATION ET DESENSIBILISATION DE PRESSION

DE DISPOSITIFS WDM A RESEAU DE DIFFRACTION

PA2 - (A3) LIGHTCHIP INC (US)

IN2 - (A3) CAPPIELLO GREGORY G; DUECK ROBERT H

IC2 - (A3) G02B-006/293

LA - ENGLISH (ENG)

AP - WOUS0117824 20010601 [2001WO-US17824]

PR - US20848200P 20000602 [2000US-P208482]

- US20847800P 20000602 [2000US-P208478]

- US72477000 20001128 [2000US-0724770]

CT - Cited in the search report

- US5991482(A) (Cat. X);WO0120372(A) (Cat. X,P);US6169838(B1) (Cat. X,P);US5799118(A) (Cat. A);EP123237(A) (Cat. A);US6011884(A) (Cat. A)

- PATENT ABSTRACTS OF JAPAN vol. 007, no. 078 (P-188), 31 March 1983 (1983-03-31) -& JP 58 009119 A (NIPPON DENKI KK), 19 January 1983 (1983-01-19) (Cat. A)

- PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03, 28 April 1995 (1995-04-28) -& JP 06 331850 A (MATSUSHITA ELECTRIC IND CO LTD), 2 December 1994 (1994-12-02) (Cat. A)

6/6 PLUSPAT - (C) QUESTEL-ORBIT- image

PN - WO200120372 A2 20010322 [WO200120372]

STG - (A2) Publ. Of int. Appl. W/out int. Search rep

TI - (A2) ATHERMAL AND HIGH THROUGHPUT GRATINGS

OTI - (A2) RESEAUX DE DIFFRACTION ATHERMIQUES A GRANDE CAPACITE DE DEBIT

PA - (A2) CORNING INC (US)

PA0 - CORNING INCORPORATED ; 1 Riverfront Plaza Corning, NY 14831 (US)

IN - (A2) DEBOYNTON WILLIAM L; KONDIS JOHN P; FILHABER JOHN F; SCOTT BRADLEY A

IC - (A2) G02B-001/00

PN2 - WO200120372 A3 20010927 [WO200120372]

STG2- (A3) Subsqu. Publ. Of int. Search report

TI2 - (A3) ATHERMAL AND HIGH THROUGHPUT OPTICAL GRATINGS

OTI2- (A3) RESEAUX DE DIFFRACTION ATHERMIQUES A GRANDE CAPACITE DE DEBIT

PA2 - (A3) CORNING INC (US)

IN2 - (A3) DEBOYNTON WILLIAM L; KONDIS JOHN P; FILHABER JOHN F; SCOTT BRADLEY A

IC2 - (A3) G02B-005/18 G02B-006/34

LA - ENGLISH (ENG)

AP - WOUS0023301 20000824 [2000WO-US23301]

PR - US15391399P 19990914 [1999US-P153913]

- US53797700 20000328 [2000US-0537977]

CT - Cited in the search report

- EP890855(A) (Cat. X)

- SENIOR J M ET AL: "DEVICES FOR WAVELENGTH MULTIPLEXING AND DEMULTIPLEXING" IEE PROCEEDINGS J. OPTOELECTRONICS,GB, INSTITUTION OF ELECTRICAL ENGINEERS. STEVENAGE, vol. 136, no. 3, PART J, 1 June 1989 (1989-06-01), pages 183-202, XP000119571 ISSN: 0267-3932 (Cat. A)

2. Limiting Search to Category Code using the Field Availability Feature

The field availability feature on Questel-Orbit can be used to limit the results from a search set to documents containing a specific field. In the following example this feature is used to limit the results of the search to documents containing the XCTX field – or documents which have an X category code in their search reports.

File : PLUSPAT

SS Results

```
1      29850 /PA NOKIA
2      572  /CT BLUETOOTH
3      46   1 AND 2
```

Search statement 4

? **3 AND XCTX=YES** Limits search statement 3 to records containing the XCTX field.

** SS 4: Results 30

Search statement 5

? **prt bib 12 19-20 22 legal** Display selected records, including the corresponding Legal Status records (using the LEGAL feature)

```
12/30 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - EP1246399 A1 20021002 [EP1246399]
TI - (A1) Method and apparatus of prioritising the usage of
      slotted links in a wireless network
OTI - (A1) Verfahren und Ger_t zur Priorisierung der
      Benutzung von Zeitschlitzten in einem drahtlosen Netzwerk
      - (A1) Proc_d_et dispositif de gestion de priorit_pour
      l'utilisation des intervalles de temps dans un r_seau
      sans fil
PA - (A1) NOKIA CORP (FI)
PA0 - Nokia Corporation; Keilalahdentie 4; 02150 Espoo (FI)
IN - (A1) BAATZ SIMON (DE); KUEHL CARMEN (DE); SCHOLZ
      CHRISTOPH (DE)
AP - EP01108032 20010329 [2001EP-0108032]
PR - EP01108032 20010329 [2001EP-0108032]
CT - Cited in the search report
      - US5901363(A) (Cat. Y)
      - KALIA M ET AL: "DATA SCHELDULING AND SAR BLUETOOTH
      MAC" VTC 2000-SPRING. 2000 IEEE 51ST. VEHICULAR
      TECHNOLOGY CONFERENCE PROCEEDINGS. TOKYO, JAPAN, MAY
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15-18, 2000, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY: IEEE, US, vol. 2 OF 3. CONF. 51, 15 May 2000 (2000-05-15), pages 716-720, XP000967963 ISBN: 0-7803-5719-1 (Cat. X)

- GARG S ET AL: "MAC SCHEDULING POLICIES FOR POWER OPTIMIZATION IN BLUETOOTH: A MASTER DRIVEN TDD WIRELESS SYSTEM" VTC 2000-SPRING. 2000 IEEE 51ST. VEHICULAR TECHNOLOGY CONFERENCE PROCEEDINGS. TOKYO, JAPAN, MAY 15-18, 2000, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY: IEEE, US, vol. 1 OF 3. CONF. 51, 15 May 2000 (2000-05-15), pages 196-200, XP000970607 ISBN: 0-7803-5719-1 (Cat. Y)
- KALIA M ET AL: "MAC scheduling and SAR policies for Bluetooth: a master driven TDD pico-cellular wireless system" INTERNATIONAL WORKSHOP ON MOBILE MULTIMEDIA COMMUNICATIONS, XX, XX, 15 November 1999 (1999-11-15), pages 384-388, XP002167155 (Cat. X)

STG - (A1) Public. Of applic. With search report

1/1 LGST - (C) EPO

PN - EP1246399 A1 20021002 [EP1246399]
 AP - EP01108032 20010329 [2001EP-0108032]
 ACT - 20021002 EP/AX-A [+]
 EXTENSION OF THE EUROPEAN PATENT TO
 ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF
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- 20021002 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 BENANNT VERTRAGSSTAATEN
 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT
 SE TR
- 20030625 EP/AKX-A [+]
 PAYMENT OF DESIGNATION FEES
 ZAHLUNG VON BENENNUNGS GEBÜHREN
- 20030731 EP/REG-A; DE/8566 [-]
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 DE: VERTRAGSSTAAT DE NICHT MEHR BENANNT
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- 20040310 EP/18D-A [-]
 DEEMED TO BE WITHDRAWN
 ALS ZURÜCKGENOMMEN GELTEN
 EFFECTIVE DATE: 20030403

UP - 2004-11

19/30 PLUSPAT - (C) QUESTEL-ORBIT- image

PN - WO200233904 A2 20020425 [WO200233904]
 TI - (A2) APPARATUS, AND ASSOCIATED METHOD, FOR ALLOCATING CHANNELS IN A RADIO COMMUNICATION SYSTEM
 OTI - (A2) APPAREIL ET PROCÉDÉ ASSOCIÉ D'ATTRIBUTION DE CANAUX DANS UN SYSTÈME DE COMMUNICATIONS RADIO
 PA - (A2) NOKIA CORP (FI); NOKIA INC (US)
 PA0 - NOKIA CORPORATION; Keilalahdentie 4, FIN-02150 Espoo (FI)
 - NOKIA INC.; 6000 Connection Drive, Irving, TX 75039 (US) (only LC)

IN - (A2) PALIN ARTO; SANDA TAKAKO; WATANABE FUJIO
AP - WOIB0101939 20011016 [2001WO-IB01939]
PR - US69279400 20001020 [2000US-0692794]
CT - Cited in the search report
- JOHANSSON P ET AL: "SHORT RANGE BASED AD-HOC NETWORKING: PERFORMANCE AND PROPERTIES" , ICC '99. 1999 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS. CONFERENCE RECORD. VANCOUVER, CA, JUNE 6 - 10, 1999, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, NY: IEEE, US, VOL. 3, PAGE(S) 1414-1420 XP000903607 ISBN: 0-7803-5285-8 page 1415 -page 1416 page 1419 -page 1420 figures 1,2,5,13(Cat. X)
- HAARTSEN J: "BLUETOOTH - THE UNIVERSAL RADIO INTERFACE FOR AD HOC, WIRELESS CONNECTIVITY" ON - ERICSSON REVIEW, ERICSSON. STOCKHOLM, SE, no. 3, 1998, pages 110-117, XP000783249 ISSN: 0014-0171(Cat. X)
- KAROL M J ET AL: "TIME-FREQUENCY-CODE SLICING: EFFICIENTLY ALLOCATING THE COMMUNICATIONS SPECTRUM TO MULTIRATE USERS" IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, IEEE INC. NEW YORK, US, vol. 46, no. 4, 1 November 1997 (1997-11-01), pages 818-826, XP000754819 ISSN: 0018-9545(Cat. X)
STG - (A2) Publ. Of int. Appl. W/out int. Search rep

1/1 LGST - (C) EPO

PN - WO200233904 A2 20020425 [WO200233904]
- WO200233904 A3 20021031 [WO200233904]
AP - WOIB0101939 20011016 [2001WO-IB01939]
ACT - 20020425 WO/AK [+]
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
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- 20020425 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN
TD TG
- 20021023 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION
- 20021031 WO/AK [+]
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
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SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
- 20021031 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A

SUBSEQUENTLY PUBLISHED SEARCH REPORT

GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
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TD TG

- 20030313 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
- 20030520 WO/NENP
NON-ENTRY INTO THE NATIONAL PHASE IN:
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- 20030904 WO/REG; DE/8642 [-]
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DE: WIRKUNG WEGGEFALLEN FUER DE
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- 20040114 WO/122 [-]
EP: PCT APP. NOT ENT. EUROP. PHASE
- UP - 2004-03

20/30 PLUSPAT - (C) QUESTEL-ORBIT- image

- PN - WO200233878 A2 20020425 [WO200233878]
- TI - (A2) METHOD AND DEVICE FOR IDENTIFYING A DATA PACKET IN
A DATA STREAM
- OTI - (A2) METHOD AND DEVICE FOR IDENTIFYING A DATA PACKET IN
A DATA STREAM
- PA - (A2) KAFEMANN HARALD (DE); SCHETELIG MARKUS (DE);
NOKIA MOBILE PHONES LTD (FI)
- PA0 - NOKIA MOBILE PHONES LTD.; Keilalahdentie 4, FIN-02150
Espoo (FI) (except US)
 - SCHETELIG, Markus; Imbuschstrasse 54, 45731 Waltrop
(DE) (only US)
 - KAFEMANN, Harald; Auf der Heide 15, 45721 Haltern (DE)
(only US)
- IN - (A2) KAFEMANN HARALD (DE); SCHETELIG MARKUS (DE)
- AP - WOEP0111253 20010928 [2001WO-EP11253]
- PR - DE10051889 20001019 [2000DE-1051889]
- CT - Cited in the search report
 - US5448571(A) (Cat. A)
 - CHEOL-HEE PARK ET AL: "Techniques for channel
estimation, DC-offset compensation, and link quality
control in Bluetooth system" DIGEST OF TECHNICAL
PAPERS. INTERNATIONAL CONFERENCE ON CONSUMER
ELECTRONICS, vol. 46, no. 3, 13 - 15 June 2000, pages
682-689, XP002208289 IEEE, Piscataway, NJ, USA ISSN:
0098-3063 (Cat. X)
- STG - (A2) Publ. Of int. Appl. W/out int. Search rep

1/1 LGST - (C) EPO

- PN - WO200233878 A2 20020425 [WO200233878]
 - WO200233878 A3 20021107 [WO200233878]
- AP - WOEP0111253 20010928 [2001WO-EP11253]
- ACT - 20020425 WO/AK [+]
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SEARCH REPORT
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- 20020425 WO/AL [+]
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 GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
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 TD TG

- 20021030 WO/121
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- 20021107 WO/AK [+]
 DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED
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- 20021107 WO/AL [+]
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 NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN
 TD TG

- 20021227 WO/DFPE
 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
 EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

- 20030519 WO/NENP
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- 20030904 WO/REG; DE/8642 [-]
 DE: IMPACT ABOLISHED FOR DE
 DE: WIRKUNG WEGGEFALLEN FUER DE
 <DE>

- 20031126 WO/122 [-]
 EP: PCT APP. NOT ENT. EUROP. PHASE

UP - 2003-48

22/30 PLUSPAT - (C) QUESTEL-ORBIT- image
 PN - WO200201819 A2 20020103 [WO200201819]
 TI - (A2) APPARATUS AND ASSOCIATED METHOD FOR WIRELESS
 PERIPHERALS
 OTI - (A2) APPAREIL ET PROCEDE ASSOCIE POUR PERIPHERIQUES
 SANS FIL
 PA - (A2) NOKIA CORP (FI); NOKIA INC (US); MICROSOFT CORP
 (US)
 PA0 - NOKIA CORPORATION; Keilalahdentie 4, FIN-02150 Espoo
 (FI)
 - NOKIA INC.; 6000 Connection Drive, Irving, TX 75039
 (US) (only LC)
 - MICROSOFT CORPORATION; One Microsoft Way, Redmond, WA

98052 (US)

IN - (A2) SORMUNEN TONI; LEINO PASI

AP - WOIB0101160 20010629 [2001WO-IB01160]

PR - US60888100 20000630 [2000US-0608881]

CT - Cited in the search report

- US5870080(A) (Cat. X);US5999798(A) (Cat. X);WO9816065(A) (Cat. X);WO9966415(A) (Cat. X);WO9718509(A) (Cat. X);EP752763(A) (Cat. X)

- "HCI USB TRANSPORT LAYER" BLUETOOTH SPECIFICATION VERSION, XX, XX, 29 November 1999 (1999-11-29), pages 759-773, XP002174955(Cat. A)

- HAARTSEN J: "BLUETOOTH - THE UNIVERSAL RADIO INTERFACE FOR AD HOC, WIRELESS CONNECTIVITY" ERICSSON REVIEW, ERICSSON. STOCKHOLM, SE, no. 3, 1998, pages 110-117, XP000783249 ISSN: 0014-0171(Cat. A)

STG - (A2) Publ. Of int. Appl. W/out int. Search rep

1/1 LGST - (C) EPO

PN - WO200201819 A2 20020103 [WO200201819]

- WO200201819 A3 20030320 [WO200201819]

AP - WOIB0101160 20010629 [2001WO-IB01160]

ACT - 20020103 WO/AK [+]

DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

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IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

- 20020103 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

- 20020227 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

- 20020321 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

- 20030130 WO/NENP

NON-ENTRY INTO THE NATIONAL PHASE IN:
<RU>

- 20030508 WO/REG; DE/8642 [-]

DE: IMPACT ABOLISHED FOR DE
DE: WIRKUNG WEGGEFALLEN FUER DE
<DE>

- 20030813 WO/122

EP: PCT APP. NOT ENT. EUROP. PHASE

UP - 2003-43

3. Category Codes: Statistical Analysis

The following example shows how the statistical analysis feature, MEMS, can be used to show patents most frequently appearing with a particular category code, in this case X.

File : PLUSPAT

SS Results

1	141	DENSE WAVELENGTH DIVISION MULTIPLEXING
2	502	DWDM
3	577	1 OR 2

Search statement 4

? **MEMS SET /XCTX** The XCTX field is selected for analysis.

? **LI MEMS STAT** Display the list with the statistical percentage.

Total number of terms extracted: 189

Number of terms now in MEM2 : 177

Memory is of type MEMSORT (statistical analysis)

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3	2	0.34% EP-620694
4	2	0.34% EP-859249
5	2	0.34% EP1001287
6	2	0.34% US5608826
7	2	0.34% US5748815
8	2	0.34% US5748820
9	2	0.34% US6115157
10	2	0.34% WO9749248
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13	1	0.17% EP--74152
14	1	0.17% EP-371660
15	1	0.17% EP-445364

Continue: Y / N

To search and display the top generated patent number, WO9941858, can be done using the *MEMS command, or can be searched directly.

? ***MEMS 1 /XPN** (note WO9941858/XPN will also search the number)

** SS 4: Results 1

Search statement 5

? PRT (record display is abbreviated)

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - WO9941858 A1 19990819 [WO9941858]
TI - (A1) MULTIPLEXER AND DEMULTIPLEXER FOR SINGLE MODE
OPTICAL FIBER COMMUNICATION LINKS
OTI - (A1) MULTIPLEXEUR ET DEMULTIPLEXEUR POUR LIAISONS DE
COMMUNICATION A FIBRES OPTIQUES MONOMODES
LA - ENGLISH (ENG)
PA - (A1) APA OPTICS INC (US)
PA0 - APA OPTICS, INC. ; 2950 N.E. 84th Lane Blaine, MN 55449
(US)
IN - (A1) JAIN ANIL K; BOORD WARREN TIMOTHY
AP - WO9902766 19990210 [1999WO-US02766]
PR - US2325898 19980213 [1998US-0023258]
IC - (A1) G02B-006/34 H04B-010/135
CT - Cited in the search report
- EP859249(A) (Cat. X,P);DE3149615(A) (Cat.
Y);WO9321548(A) (Cat. A);US5026131(A) (Cat. A)
- PATENT ABSTRACTS OF JAPAN vol. 011, no. 276 (P-613), 8
September 1987 & JP 62 075406 A (FUJITSU LTD), 7 April
1987(Cat. Y)