



Advanced Training Manual

2006





Contents

Section I	3
Advanced Searching Techniques	3
Crossfile Searching	3
Fields to use with the MEM Command	4
Extracting Numbers to a MEM List	4
Displaying the Extracted Terms in a MEM List	4
Searching the Terms from a MEM List	4
Statistical Analysis	6
GET Macros	6
GET command options	8
Advanced Searching Techniques Review	11
Practice Exercises	12
Section II	13
Advanced Patent Searching	13
Patent Family Searching	13
FAM Command	13
Patent Family Searching	15
Family search - FAMSTAT feature	15
Display options for Family Search results	15
Cluster Searching	20
Patent Grouping and Deduping	21
Citation Analysis	25
Using citations to expand a search result with precision	25
The FAMCITE Command: Automatic display of citations	27
Advanced Patent Searching Review	31
Practice Exercises	33
Section III	34
Saving Searches	34
Saving and Executing a Search	34
Temporary Saved Searches	36
Permanent Saved Searches	37
Review: Saving Searches	38
Practice Exercises	39
Section IV	40



Delivery Options.....	40
EXPORT Command – Menu prompted.....	42
Current Awareness Service.....	45
Additional SDI commands.....	47
Review: Delivery Options	48
Practice Exercises	49
Appendix A.....	50
Questel•Orbit Synonyms Commands and GET Macros.....	50
Appendix B.....	51
Online Help.....	51
Appendix C.....	53
Page Layout	53
<u>Notes:</u>	55



Section I

Advanced Searching Techniques

Crossfile Searching

For a complete, comprehensive search, it is quite often necessary to search several databases. On Questel•Orbit it is quite simple to crossfile search between the databases, to transfer the data elements already retrieved over to a different file. Using the crossfile searching techniques reduces manual data reentry, therefore saving online time and costs.

Step 1

Access the database and perform a search.

Step 2

Using the existing results set, select the field to be used for crossfile searching.

MEM /<field>

Default: extract every term from the specified field from all the records in the last search statement with results and add them to MEM1 list.

Note: Terms are stored in the memory list without the field qualifier. Maximum number of terms 100,000 per memory.

Step 3

Access a new file of choice. Search for all the terms from the memory list.

***MEM /<field>**

Default: search all terms in MEM1.

Note: See the Questel•Orbit Fact Sheet on Crossfile Searching for the information on other MEM command options: 125 user named lists etc.

file dwpi

fiber optics

** SS 1: Results 55

MEM /XPN

Total number of terms extracted:130
Number of terms added to MEM1 : 119
First term introduced for extraction:1

Search statement 2

file eppatent

***mem /xpn**

(1) * MEM1
Memory is of type MEM (crossfile searching)

1	1	EP-848280
2	1	EP-834760
3	1	EP-559406
4	1	WO9313707
5	1	EP-576670
6	1	EP-529311
7	1	EP-435011
8	1	EP-311843
9	1	EP-343290
10	1	EP-153139
11	1	WO8502476
12	1	EP-144897
13	1	EP-162921
14	1	EP-114505

n

** SS 2: Results 12



Fields to use with the MEM Command

Use the following fields to extract and search the Questel·Orbit standardized formats:

- XPN** Patent/Publication Numbers
- XAP** Application Numbers
- XPR** Priority Numbers
- XCT** Citation Numbers

Extracting Numbers to a MEM List

- MEM /field** **MEM** defaults to the entire Search Set for the last Search Statement. The terms will be posted to the default **MEM** list, MEM1.
- MEM /XPN** Extracts the crossfile searchable publication numbers from last set for the entire set of records
- MEM SS 2 1-5 /XPR** Extracts the priority numbers from records 1-5 in Search Statement 2
- MEM BIO /XPN** Extracts the publication numbers to a **MEM** list named BIO and saves it for one week.
- MEM STORE ENZ /XPN** Extracts the publication numbers to a **MEM** list named ENZ and stores it permanently.

Displaying the Extracted Terms in a MEM List

- PRT MEM** Displays the first fifteen numbers in the MEM1 list.
- PRT MEM BIO NONSTOP** Displays continuously all the numbers in the **MEM** list called BIO
- PRT MEM 1-5, 7** Display the first five and the seventh entry in the MEM1 list.
- HIS MEM** Displays a listing of all the saved memory lists

Searching the Terms from a MEM List

Note that the **MEM** command extracts the data elements but not the field qualifier. To search the extracted terms, use the ***MEM** command with the field qualifier you want it to search the entries in. Using ***MEM** with **AUDIT** turned on displays the terms posted in the index.

- *MEM /XPN** Searches the entire MEM1 list in the publication number field
- *MEM <n-n> /field** Searches only the entries designated
- *MEM BIO /XPN** Searches the entire MEM list called BIO in the publication number field



The following options allow data extraction from different parts of a field as well as extraction of portions of terms:

RK N every Nth term from a specific field

LG specific length, for example use **LG 2** option to extract the Publication Country from the Patent/Publication number field in DWPI

Display the memory list using the PRT command (n1, n2 - extracted term numbers):
prt mem [n1-n2]

Use RK 1 option to extract company code information (Derwent company codes) from the Patent Assignee field (DWPI database)
MEM /PA RK 1

Use RK 2 option to extract the full Patent Assignee name from the PA field:
MEM /PA RK 2

fi dwpi

mem ss 1 /pn RK 1 LG 2

```
Total number of terms extracted: 131
Number of terms added to MEM1 : 23
First term introduced for extraction: 1
Search statement 2
```

prt mem

Memory is of type MEM (crossfile searching)

- # TERM
- 1 US
- 2 DE
- 3 WO
- 4 AU
- 5 EP
- 6 J1
- 7 CA
- 8 ZA

(Shown in part)
Continue: Y / N

mem ss 1 /pa RK 1

```
Total number of terms extracted: 66
Number of terms added to MEM1 : 55
First term introduced for extraction: 120
```

prt MEM 120-174

Memory is of type MEM (crossfile searching)

- # TERM
- 120 GENK
- 121 MORG-I
- 122 HONE
- 123 CLEM-I
- 124 GEOR-I
- 125 JONE-I
- 126 TEXA
- 127 XERO (Shown in part)

mem /pa rk 2

```
Total number of terms extracted:132
Number of terms added to MEM1 : 61
First term introduced for extraction: 175
```

prt MEM 175-235

Memory is of type MEM (crossfile searching)

- # TERM
- 175 GENERAL MOTORS CORP
- 176 MORGAN A A
- 177 HONEYWELL INC
- 178 CLEMENT R M
- 179 GEORGE D S
- 180 JONES G L
- 181 UNIV TEXAS SYSTEM
- 182 XEROX CORP
- 182 XEROX CORP

Statistical Analysis

Questel•Orbit offers tools for the statistical analysis of retrieved data. There are 4 default memory lists and 150 user-defined lists with a capacity of 100,000 terms that can be used for the extracting terms and ranking.

GET Macros

To aid Orbit searchers to easily use the basic GET statistical commands on Questel•Orbit, GET “macros” were created on all the existing core patent databases. To analyze fields other than those listed below, it is necessary to use the existing MEMSORT command. Please consult the Questel•Orbit Mini-Guide. The command syntax is:

GET <field> e.g. **GET PA** is the macro for **MEMS /PA RK 2**

For the patent files on Questel•Orbit, the following **GET** macros are available:

Fields	Macro Name	Databases
Patent Assignee	PA PAN	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, USPAT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, PLUSPAT, FAMPAT
Company Code	CC	DWPI, JAPIO, IFIPAT
Inventor	IN INN	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
Publication Country	PC	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
Priority Country	PRC	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
Application Country	APC	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
Publication Date (year)	PD	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
Application Date (year)	APD	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
Priority date (year)	PRD	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT
IPC	IPC	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, CAS, USPAT, PLUSPAT, FAMPAT

Main IPC	MIPC	DWPI, INPD, EPPATENT, PCTPAT, FRPATENT, ITALPAT, IFIPAT, JAPIO, PHARM, USPAT, PLUSPAT, FAMPAT
European Class	EC	EPPATENT, PCTPAT, FRPATENT, PLUSPAT, FAMPAT
US Class	PCL	IFIPAT, USPAT

Step 1

Select the database and perform the search.

Step 2

Extract terms from a specific database field and perform statistical analysis.

General format:

GET ss N [m1-m2] <field> from <name>

ss N - search statement number

m1,m2 - record numbers

Note: MEM2 is the default memory list for statistical analysis.

file dwpi

(car and convertible) not manual

** SS 1: Results 307

get pa

The memory is empty
 Total number of terms extracted: 381
 Number of terms now in MEM2 : 246

Memory is of type MEMSORT (statistical analysis)

#	FREQ	TERM
1	22	DAIMLER-BENZ AG
2	18	MERCEDES-BENZ AG
3	14	PORSCHE AG F
4	13	ASC INC
5	12	BAYERISCHE MOTOREN WERKE AG
6	12	PORSCHE F AG
7	10	MATSUDA KK
8	9	BAYERISCHE MOTOREN WERKE
9	5	CHRYSLER CORP
10	4	KARMANN GMBH WILHELM
11	3	AUDI AG
12	3	COSCO INC
13	3	JAGUAR CARS LTD
14	3	MAZDA MOTOR CORP
15	3	PULLMAN INC

Continue: Y / N

n

get ss 1 in

Number of terms now in MEM2 : 0
 Total number of terms extracted: 517
 Number of terms now in MEM2 : 436

Memory is of type MEMSORT (statistical analysis)

#	FREQ	TERM
1	7	SCHRADER J
2	6	ALEXANDER M P
3	5	BAUMANN K H
4	5	GOTZ H
5	4	BAUER T
6	4	BAUMANN K
7	4	GOETZ H
8	4	KOLB E
9	4	STAHMER M
10	3	CLAAR K
11	3	JAMBOR A
12	3	KALTZ M C
13	2	ALTMANN O
14	2	BALL W
15	2	BOLTE L

Continue: Y / N

n

GET command options

- 150 user-named lists
- 100,000 list capacity
- Options:
 - TOSEL to place the results into the user-named list and SAVE (default);
 - STORE to store the user-named list permanently;
 - TOP to analyze the top N most occurring terms;
 - GT to analyze only the terms with occurrences greater than N;

Format: **GET ss N [m1-m2] <field> TOSEL <listname> SAVE/STORE [TOP N, GT M]**

User-Named Lists

Step 1

Select the database and perform the search.

Step 2

Extract terms from a specific database field to a user-named list and perform statistical analysis:

GET <field> TOSEL <listname>

Note: User-defined lists are automatically saved for 1 day.

Use the following command to display the listing of the existing memory lists:

HIS MEM

Use the following command to display the contents of the user-defined memory list:

PRT MEMS <listname>

file dwpi

fuel cell and pd=1998

** SS 1: Results 734

get pa tosel fuelget

Processing (1)
 Total number of terms extracted: 981
 Number of terms now in FUELGET : 403

Memory is of type MEMSORT (statistical analysis)

#	FREQ	TERM
1	47	SIEMENS AG
2	41	FORSCHUNGSZENTRUM JUELICH GMBH
3	33	BALLARD POWER SYSTEMS INC
4	18	INT FUEL CELLS CORP
5	17	DBB FUEL CELL ENGINES GMBH
6	17	WESTINGHOUSE ELECTRIC CORP
7	16	TOYOTA JIDOSHA KK
8	15	TOSHIBA KK
9	14	mitsubishi JUKOGYO KK
10	14	MTU FRIEDRICHSHAFEN GMBH
11	13	DAIMLER-BENZ AG
12	13	DU PONT DE NEMOURS & CO E I
13	11	MITSUBISHI ELECTRIC CORP
14	10	HONDA GIKEN KOGYO KK
15	10	JOHNSON MATHEY PLC

More End

Note that results of the stat. analysis are placed into the user list FUELGET

his mem

Name	Status	Type	Number	Creation date
FUELGET	SAVE	FREQ	403	15/08/1999 14*55*16

STORE option

Using the search from the previous page.

Include the **STORE** option when extracting terms for statistical analysis to store the user-named list permanently:

GET <field> TOSEL <name> STORE

TOP Option

Include the TOP N option when extracting terms for statistical analysis to analyze the top N most occurring terms:

GET <field> TOSEL <name> TOP N

GREATER THAN option

Include the GT N option when extracting terms for statistical analysis to analyze only the terms with occurrences greater than N:

GET <field> TOSEL <name> GT N
ss N - search statement number

get pa tosel fuelstore store

Total number of terms extracted: 981
Number of terms now in FUELSTORE : 403

```
Memory is of type MEMSORT (statistical analysis)
#   FREQ TERM
1   47 SIEMENS AG
2   41 FORSCHUNGSZENTRUM JUELICH GMBH
3   33 BALLARD POWER SYSTEMS INC
4   18 INT FUEL CELLS CORP
5   17 DBB FUEL CELL ENGINES GMBH
6   17 WESTINGHOUSE ELECTRIC CORP
7   16 TOYOTA JIDOSHA KK
8   15 TOSHIBA KK
9   14 MITSUBISHI JUKOGYO KK
10  14 MTU FRIEDRICHSHAFEN GMBH
11  13 DAIMLER-BENZ AG
12  13 DU PONT DE NEMOURS & CO E I
13  11 MITSUBISHI ELECTRIC CORP
14  10 HONDA GIKEN
KOGYO KK
PLC
15  10 JOHNSON MATHEY
```

Note the different *Status* of the FUELSTORE list.

his mem

Name	Status	Type	Number	Creation date
FUELGET	SAVE	FREQ	403	15/08/1999 14*55*16
FUELSTORE	STORE	FREQ	403	15/08/1999 15*00*11

get pa tosel fuelgettop top 5

Total number of terms extracted: 981
Number of terms now in FUELGETTOP : 5

```
Memory is of type MEMSORT (statistical analysis)
#   FREQ TERM
1   47 SIEMENS AG
2   41 FORSCHUNGSZENTRUM JUELICH GMBH
3   33 BALLARD POWER SYSTEMS INC
4   18 INT FUEL CELLS CORP
5   17 DBB FUEL CELL ENGINES GMBH
```

Note the *Number* of terms extracted into FUELGETTOP list - 5, when other lists contain 403 terms.

his mem

Name	Status	Type	Number	Creation date
FUELGET	SAVE	FREQ	403	15/08/1999 14*55*16
FUELSTORE	STORE	FREQ	403	15/08/1999 15*00*11
FUELGETTOP	SAVE	FREQ	5	15/08/1999 14*56*39

get ss 2 pa tosel cellget gt 30

Total number of terms extracted: 981
Number of terms now in CELLGET : 3

```
Memory is of type MEMSORT (statistical analysis)
#   FREQ TERM
1   47 SIEMENS AG
2   41 FORSCHUNGSZENTRUM JUELICH GMBH
3   33 BALLARD POWER SYSTEMS INC
```

Advanced Statistical Analysis Options with MEMSORT

In order to perform a detailed analysis of the particular parts of the field, for example to analyze only the main classes in the IPC field - use the MEMSORT command options:

MEMS SET /<field> [options]

PRG specific paragraph
SEN specific sentence of the paragraph
RK every Nth term in the field
LG specific length
BO embedded character string

Note: Consult the Questel•Orbit mini-guide for options list.

The following example illustrates how to perform the statistical analysis on the publication country only in the DWPI file:

file dwpi

fuel cell

** SS 1: Results 9.367

1 and /pd=1997:1999

** SS 2: Results 1.730

mems set /pn rk 1 lg 2

Processing (1)
Total number of terms extracted: 5233
Number of terms now in MEM2 : 38

prt mem2

Memory is of type MEMSORT (statistical analysis)

#	FREQ	TERM
1	975	JP
2	636	US
3	604	EP
4	597	DE
5	482	WO
6	275	AU
7	166	CA
8	63	NO
9	61	ES
10	48	GB
11	47	KR
12	41	CN
13	27	TW
14	25	BR
15	23	FR

Continue: Y / N

n

Advanced Searching Techniques Review

Crossfile searching

- MEM /<field>** Extract search terms onto the memory list.
- *MEM /<field>** Search extracted search terms from the memory list.
- MEM [ss N] /<field> [Options]** Extract search terms onto the memory list from a specific search set and using additional options (RK - Rank, LG - Length).
- PRT MEM [m-n]** Display the memory list using the PRT command (m,n - extracted term numbers).

Statistical Analysis

- GET <field>** Perform statistical analysis on the extracted terms from a specified field in the last results set.
- GET ss N [m1-m2] <field> from <name>** Perform statistical analysis on the extracted terms from a specific field in previously selected database (ss N search statement number, m1,m2 - record numbers, <name> Database name).
- GET <field> TOSEL <listname>** Extract terms from a specific database field to a user-named list and perform statistical analysis.
- GET <field> TOSEL <name> [STORE / TOP N / GT N]** Extract terms for statistical analysis [to store the user-named list permanently / to analyze the top N most occurring terms / to analyze the terms with occurrences greater than N]
- HIS MEM** Display the listing of the existing memory lists.
- PRT MEMS <listname>** Display the contents of the user-defined memory list.
- MEMS SET /<field> [options]** Detailed analysis of the particular parts of the field.
- PRT MEMS [m-n]** Display the memory list using the PRT command (m,n - extracted term numbers).



Practice Exercises

1. In the FamPat database retrieve all patents with Bausch & Lomb as patent assignee, either by searching keywords or by using the NBR command. Using GET, perform statistical analysis on the ECLA codes. Look up the definition of the top codes in the ECLA database.
2. In the DWPI file search for US patent 5884323. Using the priority number (XPR field), the MEM and *MEM commands for crossfile searching, find all related documents for this patent in the FamPat file.
3. MEM the priority in FamPat from the answer set in Exercise 2 and transfer back to DWPI using *MEM. How many records in DWPI correspond to the record in FamPat.

Section II

Advanced Patent Searching

Patent Family Searching

FAM Command

The patent family command **FAM** is available in the single mode in PLUSPAT, FAMPAT, DWPI, and INPD databases. **FAM** will provide the extended family and find records with any common priorities. Even though FamPat and DWPI already contain families, they are not the extended families.

file pluspat

Selected file: PLUSPAT

Step 1

Select a database (PLUSPAT, FAMPAT, DWPI or INPD).

Step 2

Depending on whether the publication, application or priority number is known use the appropriate qualifier:

FAM <patent/publication number>/PN

FAM <application number>/AP

FAM <priority number>/PR

Step 3

Display the patent family search results in the desired format.

PRT [ss N format n1-n2/set]

fam us5000000/pn

** SS 1: Results 46

Search statement 2

prt set

```

1/46 PLUSPAT - (C) QUESTEL-ORBIT
PN - DK560885 T3 19991011 [DK-560885T]
STG - (T3) Translations of EP patents
OTI - (T3) Rekombinant celler, der i h j grad
udtrykker kromosomalt
integrerede heterologe gener
PA - (T3) UNIV FLORIDA (US)
IN - (T3) INGRAM LONNIE O (US); OHTA KAZUYOSHI
(US)
IC - (T3) C12N-001/00 C12N-001/19 C12N-001/21
C12N-015/01 C12N-015/04
C12N-015/05 C12N-015/06 C12N-015/10
C12N-015/31 C12N-015/31
C12N-015/31 C12R-001/19
AP - DK92901454T 19911204 [1992DK-0901454]
PR - US62422790 19901207 [1990US-0624227]
- WOUS9108835 19911204 [1991WO-US08835]
UP - 2000-42

2/46 PLUSPAT - (C) QUESTEL-ORBIT
PN - US6107093 A 20000822 [US6107093]
STG - (A) United States patent
TI - (A) Recombinant cells that highly express
chromosomally-integrated
heterologous genes
PA - (A) UNIV FLORIDA RES FOUND (US)
IN - (A) INGRAM LONNIE O (US); OHTA KAZUYOSHI
(US); WOOD BRENT E (US)
IC - (A) C12N-001/21 C12N-015/31 C12N-015/52
C12N-015/74
AP - US13440398 19980814 [1998US-0134403]
PR - US13440398 19980814 [1998US-0134403]
- US36386894 19941227 [1994US-0363868]
- US1365893 19930204 [1993US-0013658]
- US62422790 19901207 [1990US-0624227]
- US35206289 19890515 [1989US-0352062]
- US23909988 19880831 [1988US-0239099]
- US94629092 19920917 [1992US-0946290]

```



EC - C12N-009/04
- C12N-009/88
- C12N-015/01
- C12N-015/52
- C12N-015/70
- C12N-015/74
- C12N-015/90B
- C12P-007/06D
- C12P-007/10
PCL - ORIGINAL (O) : 435440000; CROSS-REFERENCE (X) : 435252300 435252330
536023700 536024100
DT - Corresponding document
UP - 2000-36

3/46 PLUSPAT - (C) QUESTEL-ORBIT
PN - BR9107210 A 19940208 [BR9107210]
STG - (A) Patent Application
OTI - (A) CELULA HOSPEDEIRA RECOMBINANTE,CEPA DE CELULA,E PROCESSO PARA
PRODUZIR CEPA DE CELULA
PA - (A) UNIV FLORIDA (US)
IN - (A) INGRAM LONNIE O; OHTA KAZUYOSHI
IC - (A) C12N-001/19 C12N-001/21 C12N-015/10 C12N-015/31
AP - BR9107210 19911204 [1991BR-0007210]
PR - US62422790 19901207 [1990US-0624227]
- WOUS9108835 19911204 [1991WO-US08835]
UP - 2000-13

4/46 PLUSPAT - (C) QUESTEL-ORBIT
PN - GR3030570 T3 19991029 [GR3030570]
STG - (T3) Transl. Of EP patent
TI - (T3) PLATELET ACTIVATING FACTOR ANTAGONISTS.
PA - (T3) UNIV FLORIDA
IN - (T3) INGRAM LONNIE O; OHTA KAZUYOSHI
IC - (T3) C12N-015/31
AP - GR99401653T 19990617 [1999GR-0401653]
PR - US62422790 19901207 [1990US-0624227]
- WOUS9108835 19911204 [1991WO-US08835]
UP - 2000-13

5/46 PLUSPAT - (C) QUESTEL-ORBIT
PN - NO933178 D0 19930907 [NO9303178]
STG - (D0) Application filed
OTI - (D0) Fremgangs}te for fremstilling av etanol ved rekombinerende verter
PA - (D0) UNIV FLORIDA (US); BIOENERGY INT L C (US)
IN - (D0) INGRAM LONNIE O (US); BEALL DAVID S (US); BURCHHARDT GERHARD F
H (US); GUIMJARAES WALTER V (US); OHTA KAZUYOSHI (US); WOOD BRENT E (US);
SHANMUGAM KEELNATHAM T (US); FOWLER DAVID E (US); BEN-BASSAT
ARIE (US)
IC - (A) C12N-001/00
PN2 - NO933178 A 19931108 [NO9303178]
STG2- (A) Unex. Applic. Open to public inspec
OTI2- (A) Etanolproduksjon ved rekombinantverter
PA2 - (A) UNIV FLORIDA (US); BIOENERGY INT L C (US)
IN2 - (A) INGRAM LONNIE O (US); BEALL DAVID S (US); BURCHHARDT GERHARD F H
(US); GUIMJARAES WALTER V (US); OHTA KAZUYOSHI (US); WOOD BRENT E
(US); SHANMUGAM KEELNATHAM T (US); FOWLER DAVID E (US); BEN-BASSAT
ARIE (US)
IC2 - (D0) C12N-001/19 C12N-001/21 C12N-015/63 C12P-007/06
AP - NO933178 19930907 [1993NO-0003178]
PR - US67082191 19910318 [1991US-0670821]
- US84634492 19920306 [1992US-0846344]

6/46 PLUSPAT - (C) QUESTEL-ORBIT
PN - HU60328 A2 19920828 [HUT060328]
STG - (A2) Examined patent application
TI - (A2) PROCESS FOR PRODUCING ETHANOL WITH TRANSFORMED MICROORGANISMS
PA - (A2) UNIV FLORIDA
IN - (A2) INGRAM LONNIE O; CONWAY TYRRELL; ALTERTHUM FLAVIO
IC - (A2) C12N-015/53 C12P-007/06
AP - HU577189 19890829 [1989HU-0005771]
PR - US23909988 19880831 [1988US-0239099]
- US35206289 19890515 [1989US-0352062]
[Display abbreviated.]

Patent Family Searching

Family search - FAMSTAT feature

Family searching in the PLUSPAT and INPD databases also provides Legal Status information for the following formats.

Display options for Family Search results

FAMSTAT Displays the results of the patent family search in the PLUSPAT and INPD files and the corresponding records from the Legal Status database integrated into the display.

FAMSTAT MAXE Provides the same display as FAMSTAT with English language action **FAMSTATE** descriptions only.

FAMLIST Displays the results of the patent family search in the PLUSPAT and INPD files and all the corresponding records from the Legal Status database attached after the records.

FAMLISTE Provides same display as FAMLIST with English language action descriptions only.

MFAMSTAT Merges all the family members into one PLUSPAT record with an abstract, and appends the Legal Status information onto the record (Not available in INPD).

MFAMSTATE Provides same display as MFAMSTAT with English language action descriptions only. (Not available in INPD.)

To locate all the family members or equivalents for the US publication number 5299248 and display the PLUSPAT family search results including the integrated Legal Status information available with English action code descriptions, use the following example:

file PLUSPAT

fam us5299248/pn

** SS 1: Results 6

famstat

```

1/6 PLUSPAT - (C) QUESTEL-ORBIT
PN - DE69327407 D1 20000127 [DE69327407]
STG - (D1) Granted EP number in bulletin
OTI - (D1) COMPUTERTOMOGRAPH MIT BESCHRNKTEM
SICHTFELD ZUM DARSTELLEN VON
      KOMPAKTEN STRUKTUREN
PA - (D1) LUNAR CORP (US)
IN - (D1) PELC NORBERT (US)
IC - (D1) A61B-006/03
PN2 - DE69327407 T2 20000713 [DE69327407]
STG2- (T2) Trans. Of EP patent
OTI2- (T2) COMPUTERTOMOGRAPH MIT BESCHRNKTEM SICHTFELD ZUM DARSTELLEN VON
      KOMPAKTEN STRUKTUREN
PA2 - (T2) LUNAR CORP (US)
IN2 - (T2) PELC NORBERT (US)
IC2 - (T2) A61B-006/03
AP - DE69327407 19930423 [1993DE-6027407]
PR - WOUS9303820 19930423 [1993WO-US03820]

```

```

1/2 LEGALI - (C) LEGSTAT
PN - DE 69327407 [DE69327407]
DT - DE-P
ACT - 20000127 DE/REF-P

```

Important: Please note the different command syntax. This display format does not require the PRT command.

Note: The corresponding Legal Status record appears immediately after the record from PLUSPAT and INPD.

CORRESPONDS TO ENTSPRICHT
 (EP 695141 20000127 [EP-695141])
 - 20000713 DE/8373
 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS
 BEEN PUBLISHED UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN
 UP - 2000-28

2/2 LEGALI - (C) LEGSTAT
 PN - EP 695141 [EP-695141]
 AP - EP 93912346/93 19930423 [1993EP-0912346]
 DT - EP-P
 ACT - 19930423 EP/AE-A
 EP-APPLICATION
 EUROPAEISCHE ANMELDUNG
 {EP 93912346/93 19930423 [1993EP-0912346]}
 - 19960207 EP/AK-A1 [+]
 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
 IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN
 DE FR GB IT
 - 19960207 EP/A1 [+]
 PUBLICATION OF APPLICATION WITH SEARCH REPORT
 VEROEFFENTLICHTUNG DER ANMELDUNG MIT RECHERCHENBERICHT
 - 19960207 EP/17P [+]
 REQUEST FOR EXAMINATION FILED
 PRUEFUNGSANTRAG GESTELLT
 951114
 - 19961106 EP/17Q [+]
 FIRST EXAMINATION REPORT
 ERSTER PRUEFUNGSBESCHEID
 960923
 - 19991020 EP/RBV [+]
 DESIGNATED CONTRACTING STATES (CORRECTION):
 BENANNTE VERTRAGSSTAATEN (KORR.)
 DE FR GB IT
 - 19991222 EP/AK-B1 [+]
 DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:
 IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN
 DE FR GB IT
 - 19991222 EP/B1 [+]
 PATENT SPECIFICATION
 PATENTSCHRIFT
 - 20000127 EP/REF-P
 CORRESPONDS TO:
 ENTSPRICHT
 (DE 69327407 20000127 [DE69327407])
 - 20000315 EP/ITF [+]
 IT: TRANSLATION FOR A EP PATENT FILED
 IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO
 MODIANO & ASSOCIATI S.R.L.
 - 20000407 EP/ET [+]
 FR: TRANSLATION FILED
 FR: TRADUCTION A ETE REMISE
 UP - 2000-35

2/6 PLUSPAT - (C) QUESTEL-ORBIT
 PN - EP0695141 A1 19960207 [EP-695141]
 STG - (A1) Public. Of applic. With search report
 TI - (A1) REDUCED FIELD-OF-VIEW CT SYSTEM FOR IMAGING COMPACT EMBEDDED
 STRUCTURES
 OTI - (A1) TOMODENSITOMETRE A CHAMP DE VISION ETROIT POUR IMAGERIE DES
 STRUCTURES COMPACTES PROFONDES
 - (A1) COMPUTERTOMOGRAPH MIT BESCHRANKTEM SICHTFELD ZUM DARSTELLEN VON
 KOMPAKTEN STRUKTUREN
 PA - (A1) LUNAR CORP (US)
 IN - (A1) PELC NORBERT J (US)
 IC - (A1) A61B-006/03
 PN2 - EP0695141 B1 19991222 [EP-695141]
 STG2- (B1) Patent

TI2 - (B1) REDUCED FIELD-OF-VIEW CT SYSTEM FOR IMAGING COMPACT EMBEDDED
STRUCTURES
OTI2- (B1) TOMODENSITOMETRE A CHAMP DE VISION ETROIT POUR IMAGERIE DES
STRUCTURES COMPACTES PROFONDES
- (B1) COMPUTERTOMOGRAPH MIT BESCHRANKTEM SICHTFELD ZUM DARSTELLEN VON
KOMPAKTEN STRUKTUREN
PA2 - (B1) LUNAR CORP (US)
IN2 - (B1) PELC NORBERT J (US)
IC2 - (B1) A61B-006/03
LA - ENGLISH (ENG)
AP - EP93912346 19930423 [1993EP-0912346]
PR - WOUS9303820 19930423 [1993WO-US03820]
DS - DE FR GB IT

1/2 LEGALI - (C) LEGSTAT
PN - DE 69327407 [DE69327407]
DT - DE-P
ACT - 20000127 DE/REF-P
CORRESPONDS TO
ENTSPRICHT
(EP 695141 20000127 [EP-695141])
- 20000713 DE/8373
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS
BEEN PUBLISHED
UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
EINGEGANGEN UND VEROEFFENTLICHT WORDEN
UP - 2000-28

2/2 LEGALI - (C) LEGSTAT
PN - EP 695141 [EP-695141]
AP - EP 93912346/93 19930423 [1993EP-0912346]
DT - EP-P
ACT - 19930423 EP/AE-A
EP-APPLICATION
EUROPAEISCHE ANMELDUNG
{EP 93912346/93 19930423 [1993EP-0912346]}
- 19960207 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN
DE FR GB IT
- 19960207 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT
VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT
- 19960207 EP/17P [+]
REQUEST FOR EXAMINATION FILED
PRUEFUNGSANTRAG GESTELLT
951114
- 19961106 EP/17Q [+]
FIRST EXAMINATION REPORT
ERSTER PRUEFUNGSBESCHEID
960923
- 19991020 EP/RBV [+]
DESIGNATED CONTRACTING STATES (CORRECTION):
BENANNTE VERTRAGSSTAATEN (KORR.)
DE FR GB IT

[Display abbreviated]



mfamstate

<< MFAM document - family 1 >>

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - US5299248 A 19940329 [US5299248]
- DE69327407 D1 20000127 [DE69327407]
- DE69327407 T2 20000713 [DE69327407]
- EP0695141 A1 19960207 [EP-695141]
- EP0695141 B1 19991222 [EP-695141]
- US5485492 A 19960116 [US5485492]
- US5533080 A 19960702 [US5533080]
- WO9424939 A1 19941110 [WO9424939]
TI - (A) Reduced field-of-view system for imaging compact embedded structures
PA - (A) LUNAR CORP (US)
PA0 - Lunar Corporation, Madison WI [US]
IN - (A) PELC NORBERT J (US)
AP - 1993US-0052228 19930422; 1993DE-6027407 19930423; 1995US-0438138 19950508; 1994US-0216235 19940322; 1993WO-US03820 19930423; 1993EP-0912346 19930423
PR - 1992US-0860818 19920331; 1993US-0052228 19930422; 1993WO-US03820 19930423; 1994US-0216235 19940322; 1995US-0438138 19950508
IC - A61B-006/03 G01N-023/00 H05G-001/60
EC - A61B-006/03B18; A61B-006/03B4; H05G-001/26; H05G-001/60
PCL - 378004000 378005000
DS - (EP-695141)
DE FR GB IT
DS - (WO9424939)
JP; AT (EP); BE (EP); CH (EP); DE (EP); DK (EP); ES (EP); FR (EP); GB (EP); GR (EP); IE (EP); IT (EP); LU (EP); MC (EP); NL (EP); PT (EP); SE (EP)
AB - (US5299248)
A CT apparatus for scanning compact structures associated with a larger body uses radiation source producing a reduced field-of-view to simplify construction and reduce exposure of the larger body. Truncation artifacts in the reconstructed image caused by volume elements in the larger body imaged by the radiation beam only for projections at some angles, are reduced by acquiring two projections at two different energies and combining those projections to compensate for the attenuation of the radiation by the volume elements of the larger body.
ACTE- (US5299248) LEGALI - (C) EPO
19940503 US/DJ-A [-]
ALL REFERENCES SHOULD BE DELETED, NO PATENT WAS GRANTED
- 20000718 US/WDR-A [-]
PATENT WITHDRAWN ACCORDING TO LISTING ISSUED BY THE USPTO ON PRS-DATE
ACTE- (WO9424939) LEGALI - (C) EPO
19941110 WO/AK [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT JP
- 19941110 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
- 19950105 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
- 19950201 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION
ACTE- (DE69327407) LEGALI - (C) EPO
20010111 DE/8364-A [+]
NO OPPOSITION DURING TERM OF OPPOSITION
- 20030213 DE/8339-A [-]
CEASED/NON-PAYMENT OF THE ANNUAL FEE
ACTE- (EP-695141;) LEGALI - (C) EPO
19960207 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT

- 19960207 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19951114
- 19961106 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 19960923
- 19991020 EP/RBV-A [+]
DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB IT
- 19991222 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT
- 20000127 EP/REF-A
CORRESPONDS TO:
(DE 69327407 20000127 [DE69327407])
- 20000315 EP/ITF-A [+]
IT: TRANSLATION FOR A EP PATENT FILED
OWNER: MODIANO & ASSOCIATI S.R.L.
- 20000407 EP/ET-A [+]
FR: TRANSLATION FILED
- 20001206 EP/26N-A [+]
NO OPPOSITION FILED
- 20020101 EP/REG-A; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
<GB>
- 20021211 EP/GBPC-A [-]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20020423
- 20030207 EP/REG-A; FR/ST [-]
FR: LAPSED
<FR>

Cluster Searching

Questel•Orbit offers several predefined clusters, or collections of databases combined by the subject matter, such as:

PATENTS, PATENTINPI, LEGAL, TRADEMARKS, SOCIETES, DUNS, TELECOMS, ENGINEER, AGRO, CHEMISTRY, AGENDA etc.

It is also possible to create user-defined clusters. The **CL** command lists both user and system-defined clusters.

*Note: The entire search strategy is saved when switching from the cluster mode to individual file search mode. However, a search strategy is erased from the system when switching to a cluster searching. Use **SAVE** command to save the current search, so it may be executed in the cluster mode.*

Step 1

Create your own cluster (up to 40 databases can be included in a cluster):

CL <clustername> <name1>
<name2>...<name40>

Step 2

To access the user or system-defined cluster

FILE <clustername>

Step 3

Perform a search in a cluster mode.
The number of records retrieved in each database is shown when searching in the cluster mode.

To display records from a particular database:

PRT <format> **FROM** <file name>

To erase the cluster

CL ER <clustername>

pctfull gbfull

Created cluster : FULLTEXTE
Databases : USPAT, USAPPS,
EPAPAT, EPBPAT, PCTFULL,
GBFULL

fi fulltexte

Selected file: USPAT
[banner not shown]
Selected file: USAPPS
[banner not shown]
Selected file: EPAPAT
[banner not shown]
Selected file: EPBPAT
[banner not shown]
Selected file: PCTFULL
[banner not shown]
Selected file: GBFULL
[banner not shown]
Cluster : FULLTEXTE
Databases : USPAT, USAPPS,
EPAPAT, EPBPAT, PCTFULL, GBFULL

pfizer/pa

USPAT	3448
USAPPS	888
EPAPAT	2606
EPBPAT	987
PCTFULL	1743
GBFULL	134
** SS 1 : Results	9806

cl er fulltexte

Deletion of cluster : FULLTEXTE
Databases : USPAT, USAPPS,
EPAPAT, EPBPAT, PCTFULL, GBFULL
Confirm: Y / N

Y

Deletion of cluster : FULLTEXTE

cl fulltexte uspat usapps epapat epbpat

Patent Grouping and Deduping

The search results obtained in a cluster environment can be displayed in patent groups, i.e. records will be arranged together if they describe the same invention. A **patent group** contains a “first record” against which the duplicate or related records are determined. The order of files in the cluster specifies what record is considered the “first record” and therefore the order in which records will be compared (see Step 3).

A **duplicate patent record** is any subsequent record in a group that represents the same patent publication/invention with the same publication number.

A **related patent record** references the same invention and contains additional publication number information.

Note (Imagination Users): to activate the grouping and deduping features it is necessary to use the “Default Terminal” mode in the Settings/Configuration/Service interface menu.

Step 1

Enter or create a database cluster.

FILE CL <cluster_name>

Step 2

Perform the search in the selected cluster environment

Step 3

Perform patent grouping on the results:

ID

Limits: Patent Grouping can be performed on a set with no more than 5000 records.

Reorder Files

Reorder the files in the cluster if necessary followed by the names of the databases in the required order, for example:

ID DWPI IFIPAT PCTPAT EPPATENT JAPIO

Note: The results of a grouping operation are put into Search Statement 203 (or SS 203). Any subsequent ID command replaces the contents of SS 203.

To redisplay the results of patent grouping: group count, number of duplicates, single records etc.

ID STAT

cl airbag dwpi eppatent pctpat japiro ifipat

Step 4

Use the PRT PATGR command to display the results of

Created cluster : AIRBAG

file cl airbag

Cluster : AIRBAG

Databases: DWPI, EPPATENT, PCTPAT, JAPIO, IFIPAT

airbag? or (air(W)bag?) or (inflat+(5d)bag?)

DWPI	13256
EPPATENT	1693
PCTPAT	914
JAPIO	6289
IFIPAT	5213
** SS 1 : Results	27365

1 and (seat? 2d sensor?)

DWPI	79
EPPATENT	8
PCTPAT	9
JAPIO	25
IFIPAT	37
** SS 2 : Results	158

2 and /pd=1999

DWPI	29
EPPATENT	0
PCTPAT	2
JAPIO	3
IFIPAT	5
** SS 3 : Results	39

id

DWPI	29
EPPATENT	0
PCTPAT	2
JAPIO	3
IFIPAT	5
** SS 99 : Results	39

<<Grouping Documents- Patent Groups>>

39 Documents
32 Patent Groups
5 Duplicate Patent Records
26 Single Patent Groups
0 Non-ordered Documents



the patent grouping.
Note: by default the grouped documents from ss 99 are displayed:

PRT PATGR x-y

where x,y are record numbers

Use **SET** instead of x-y to display all records

Options in Displaying Patent Groups:

FIRST
only the first record in each group

NODUP
all records other than duplicates

DUPLI
only duplicate records

MATCHES
groups which contain more than one record

SINGLE
only groups containing one record

prt patgr 1-39

<< Patent Group - GR 1 >>

```

1/39 DWPI - (C)
Derwent- image
AN - 1999-444171
[37]
XP - N1999-331278
TI - Seat sensor
safety system for motor
vehicle
DC - Q14 Q17 V03 W05
X22

```

```

PA - (KONG/) KONG Y W
IN - KONG YW
PN - WO9934998 A1 19990715 DW1999-37 B60L-001/00 Eng
65p *
AP: 1999WO-US00628 19990111
DSNW: AU BR CA CN JP KR
DSRW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE
PR - 1998US-0005705 19980112

```

```

2/39 PCTPAT <<Dupl.>> - (C) INPI/WIPO- image
PN - WO9934998 A1 19990715 [WO9934998]
AP - WOUS9900628 19990111 [1999WO-US00628]
PR - US570598 19980112 [1998US-0005705]
ET - SEAT SENSOR OPERATING SAFETY SYSTEM FOR A MOTOR
VEHICLE FT - SYSTEME DE SECURITE AVEC CAPTEURS DE SIEGE
POUR VEHICULE A MOTEUR
PA - KONG, Yu, Wei [US / US] 6288 Pride Lane Las
Vegas, NV 89103 (US)
IC1 - IPC[6 ]
- B60L-001/00
IC2 - B60R-025/00 B60R-021/32 G08B-021/00 H01H-035/00
DS - AU; BR; CA; CN; JP; KR; European Patent (AT; BE;
CH; CY; DE; DK; ES;
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE)

```

```

3/39 IFIPAT - (C) IFI
PN - US5939795 A 19990817
AP - US570598 19980112
RL - Continuation-in-part of : US79678197 19970210
US5780937
TI - SEAT SENSOR OPERATING SAFETY SYSTEM FOR A MOTOR
VEHICLE
FS - E
IC1 - B60R-025/00
PCL - 307010100
PCLX- 307009100 340426000 701045000
PA - Unassigned
CC - 68000
IN - Yu Wei Kong / 6288 Pride La. / Las Vegas / NV /
89103 (US)
DT - UTILITY

```

<< Patent Group - GR 2 >>

```

4/39 DWPI - (C) Derwent- image
AN - 1999-430446 [36]
XP - N1999-320458
TI - Compressive Villari effect seat-belt tension
sensor for measuring seat-belt tension
DC - S02 S03 X22
PA - (AUTO-) AUTOMOTIVE SYSTEMS LAB INC
IN - O'BOYLE ME
PN - WO9935476 A1 19990715 DW1999-36 G01L-003/02
Eng 15p *
AP: 1998WO-US27897 19981231
DSNW: CA JP KR
DSRW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE
PR - 1998US-0070319 19980102

```

[Display abbreviated]



PRT PATGR x-y NODUP
where x,y are
record numbers

NODUP option displays only non-duplicate records. Count of the duplicate records that were excluded is shown at the end of display. In this example records 6,8,10 and 12 - a total of 4 records were excluded.

prt patgr 1-39 nodup

<< Patent Group - GR 1 >>

```
1/39 DWPI - (C) Derwent- image
AN - 1999-444171 [37]
XP - N1999-331278
TI - Seat sensor safety system for motor vehicle
DC - Q14 Q17 V03 W05 X22
PA - (KONG/) KONG Y W
IN - KONG YW
PN - WO9934998      A1 19990715 DW1999-37 B60L-
001/00 Eng 65p *
      AP: 1999WO-US00628 19990111
      DSNW: AU BR CA CN JP KR
      DSRW: AT BE CH CY DE DK ES FI FR GB GR IE
IT LU MC NL PT SE
PR - 1998US-0005705 19980112
```

```
3/39 IFIPAT - (C) IFI
PN - US5939795 A 19990817
AP - US570598 19980112
RL - Continuation-in-part of      : US79678197
19970210 US5780937
TI - SEAT SENSOR OPERATING SAFETY SYSTEM FOR A
MOTOR VEHICLE
FS - E
IC1 - B60R-025/00
PCL - 307010100
PCLX- 307009100 340426000 701045000
PA - Unassigned
CC - 68000
IN - Yu Wei Kong / 6288 Pride La. / Las Vegas /
NV / 89103 (US)
DT - UTILITY
```

<< Patent Group - GR 2 >>

```
4/39 DWPI - (C) Derwent- image
AN - 1999-430446 [36]
XP - N1999-320458
TI - Compressive Villari effect seat-belt
tension sensor for measuring seat-belt tension
DC - S02 S03 X22
PA - (AUTO-) AUTOMOTIVE SYSTEMS LAB INC
IN - O'BOYLE ME
PN - WO9935476      A1 19990715 DW1999-36 G01L-
003/02 Eng 15p *
      AP: 1998WO-US27897 19981231
      DSNW: CA JP KR
      DSRW: AT BE CH CY DE DK ES FI FR GB GR IE
IT LU MC NL PT SE
PR - 1998US-0070319 19980102
```

[Display abbreviated]

Note: record 2 is no longer included with the display since it is identified and marked as a duplicate.



PRT GR m-n FIRST
where m,n are the
group numbers

FIRST displays only
the first document of
each group.

prt gr 1-32 nodup

<< Patent Group - GR 1 >>

1/39 DWPI - (C) Derwent- image
AN - 1999-444171 [37]
XP - N1999-331278
TI - Seat sensor safety system for motor vehicle
DC - Q14 Q17 V03 W05 X22
PA - (KONG/) KONG Y W
IN - KONG YW
PN - WO9934998 A1 19990715 DW1999-37 B60L-001/00
Eng 65p *
AP: 1999WO-US00628 19990111
DSNW: AU BR CA CN JP KR
DSRW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE
PR - 1998US-0005705 19980112

3/39 IFIPAT - (C) IFI
PN - US5939795 A 19990817
AP - US570598 19980112
RL - Continuation-in-part of : US79678197 19970210
US5780937
TI - SEAT SENSOR OPERATING SAFETY SYSTEM FOR A MOTOR
VEHICLE
FS - E
IC1 - B60R-025/00
PCL - 307010100
PCLX- 307009100 340426000 701045000
PA - Unassigned
CC - 68000
IN - Yu Wei Kong / 6288 Pride La. / Las Vegas / NV /
89103 (US)
DT - UTILITY

<< Patent Group - GR 2 >>

4/39 DWPI - (C) Derwent- image
AN - 1999-430446 [36]
XP - N1999-320458
TI - Compressive Villari effect seat-belt tension
sensor for measuring
seat-belt tension
DC - S02 S03 X22
PA - (AUTO-) AUTOMOTIVE SYSTEMS LAB INC
IN - O'BOYLE ME
PN - WO9935476 A1 19990715 DW1999-36 G01L-003/02
Eng 15p *
AP: 1998WO-US27897 19981231
DSNW: CA JP KR
DSRW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE
PR - 1998US-0070319 19980102

<< Patent Group - GR 3 >>

5/39 DWPI - (C) Derwent- image
AN - 1999-404907 [34]
XP - N1999-301836
TI - Hall effect vehicle seat belt tension sensor
DC - Q17 S02 W05 X22
PA - (AUTO-) AUTOMOTIVE SYSTEMS LAB INC
IN - MILLER GS
PN - WO9929538 A1 19990617 DW1999-34 B60R-021/00
Eng 19p *
AP: 1998WO-US26184 19981210
DSNW: CA JP KR
DSRW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
PR - 1998US-0208558 19981209; 1997US-0069172 19971210

[Display abbreviated]

Citation Analysis

Questel Orbit offers three citation commands :

- **CITF** performs a forward citation search for a set of records.
- **CITB** performs a backward citation search for a set of records.
- **FAMCITE** is a display command that creates a citation report for a patent family.

Using citations to expand a search result with precision

By using the citations included in patent publications, the **CITF** and **CITB** commands can help you find more patent results that are relevant to your search.

The **CITF** command retrieves subsequent patents that are citing the patents in your initial set. The new result set contains both the original patents and the citing patents. **CITF** can be used with a search set or a patent number as illustrated below :

```
Search statement 1
citf us5000000/pn
** SS 1: Results 23

Search statement 2
citf ss 1
** SS 2: Results 50
```

The **CITB** command works similarly. However, it retrieves the previously published patents cited by the patents in your initial set. The new set contains both the original patents and the cited patents. **CITB** can also be used with a search set or a patent number.

The correct search syntax is to enter the command followed by your search set number (maximum 1000 records) or patent number. Patent numbers can be publication (PN), application (AP) or priority numbers.

CITF SS n or **CITF <number>/<field>**

CITB SS n or **CITB <number>/<field>**

These two commands are available in the following databases :

- FamPat, International Patents
- PlusPat, International Patents
- EPPATENT, European Patents
- FRPATENT, French Patents
- WOPATENT, PCT Applications
- USPAT, U.S. Patents
- DEPAT, German Patents and Utility Models

When searching in Cluster mode, you may use these commands by entering the **FROM** parameter followed by the the name of one of the databases in the cluster.



CITF SS 1 FROM EPPATENT

There is no charge for use of the **CITF** and **CITB** commands.

Selected database: USPAT

Search statement 1

MCGREW/IN AND WRIGLEY/PA

** SS 1: Results 19

Search statement 2

CITF SS 1

** SS 2: Results 123

Search statement 3

PRT

1/123 USPAT - (C) USPTO

PN - US6379652 B1 20020430
TI - Oral compositions for reducing mouth odors
IN - Liu, Xiaoyan; Highland Park NJ [US]
- Williams, Malcolm; Piscataway NJ [US]
- Subramanyam, Ravi; Belle Mead NJ [US]
- Hughes, John; Cranbury NJ [US]
PA - Colgate Palmolive Company, New York NY [US]
PCLO- 424049000
PCLX- 424058000
IC - A61K-007/16 A61K-007/26

Search statement 3

CITB SS 1

** SS 3: Results 258

Search statement 4

PRT

1/258 USPAT - (C) USPTO
PN - US6264999 B1 20010724
TI - Chewing gum containing erythritol and method of making
IN - Yotka, Robert J.; Orland Park IL [US]
- Patel, Mansukh M.; Downers Grove IL [US]
- Tyrpin, Henry T.; Palos Heights IL [US]
- Broderick, Kevin B.; Berwyn IL [US]
PA - Wm. Wrigley Jr. Company, Chicago IL [US]
PCLO- 426003000
IC - A23G-003/30

The **FAMCITE** Command: Automatic display of citations

The **FAMCITE** command is available in the PlusPat and FamPat databases, which have citations for US, EP, WO, FR, DE, and GB patents. After conducting a family search for a single patent family, you can display a complete citation report with the **FAMCITE** command. The report display is in three parts :

- ◆ The original source family
- ◆ The citing patent families (families with a patent citing a member of the source family)
- ◆ The cited patent families (families with a patent cited by a member of the source family)

The results in all three sections show complete families. These fields are included for each family in the citation report :

PN	Number and date of publication of all members
TI	English title of the first member
OTI	Non-English title of the first member
PA	Applicant of the first member
IN	Inventor of the first member
AP	Application numbers of all members
PR	Priority numbers of all members
CT	Citations of members EP, WO, US and FR
AB	Summary of first member

You can also display clipped images by adding the parameter **IMG**. The complete command syntax is **FAMCITE IMG**.

The **FAMCITE** command can not be used with the **LEGAL** or **FULLTEXT** display options.

The **FAMCITE** command has a flat rate charge. All records displayed are included in the flat rate charge, except for the optional image displays which are charged at the normal rate.



Selected file: PLUSPAT

Search statement 2

fam us6000001/pn

1 Patent Groups
** SS 2: Results 1

Search statement 3

famcite

<< Citation Report >>

<< Source Patent Family >>

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - US6000001 A 19991207 [US6000001]
TI - (A) Multiple priority accelerated graphics port (AGP) request queue
PA - (A) MICRON ELECTRONICS INC (US)
PAO - Micron Electronics, Inc., Nampa ID [US]
IN - (A) LARSON DOUGLAS A (US)
AP - 1997US-0924755 19970905
PR - 1997US-0924755 19970905
CT - (US6000001)
US5557744; US5649157; US5832304; US5857086
- "Accelerated Graphics Port Interface Specification," Intel Corporation, 1996, pp. 1-151.
AB - (US6000001)
A single queuing structure enqueues requests of multiple priorities. The queuing structure is especially well adapted for use with requests that are part of AGP operations. For instance, the queuing structure may enqueue low priority read/flush requests, high priority read/flush requests, low priority write requests, and high priority write requests. The queuing structure may be logically partitioned into logical sub-queues where each sub-queue is associated with requests of a given type and a given priority. Each of the logical sub-queues may be configured to operate in a first-in-first-out (FIFO) fashion. Separate pointers may be maintained for identifying the bottom of each of the logical sub-queues within the single queuing structure.

<< Citing Patents: Subsequent Patents Citing Source Family >>

1/7 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - US2003095126 A1 20030522 [US20030095126]
- US6891545 B2 20050510 [US6891545]
- AU2002348844 A1 20030610 [AU2002348844]
- AU2003250419 A1 20040225 [AU2003250419]
- CN1589439 A 20050302 [CN1589439]
- CN1675680 A 20050928 [CN1675680]
- EP1449096 A1 20040825 [EP1449096]
- EP1529278 A1 20050511 [EP1529278]
- JP2005509922 T 20050414 [JP2005509922]
- JP2005535956 T 20051124 [JP2005535956]
- US2003095447 A1 20030522 [US20030095447]
- WO03044677 A1 20030530 [WO200344677]
- WO2004015680 A1 20040219 [WO200415680]
TI - (A1) Color burst queue for a shared memory controller in a color sequential display system
OTI - (A1) CONTROLLER FÜR EINEN GEMEINSAMEN SPEICHER EINES GRAPHIKPROZESSORS
- (A1) CONTROLEUR DE MEMOIRE PARTAGEE POUR UNITE DE TRAITEMENT D'AFFICHAGE
PA - (A1) KONINKL PHILIPS ELECTRONICS NV (US)
PAO - Koninklijke Philips Electronics N.V., Eindhoven [NL]
IN - (A1) DEAN JOHN E (US)
AP - 2002WO-IB04894 20021120; 2002CN-0822886 20021120; 2003JP-0546247 20021120; 2002AU-0348844 20021120; 2002EP-0781575 20021120; 2002US-0215067 20020808; 2002US-0214930 20020808; 2004JP-0527186 20030731; 2003CN-0819107 20030731; 2003EP-0784374 20030731; 2003AU-0250419 20030731; 2003WO-IB03396 20030731
PR - 2001US-P331916 20011120; 2002US-0214930 20020808; 2002US-0215067 20020808; 2002WO-IB04894 20021120; 2003WO-IB03396 20030731
CT - (US20030095126)



- Cited; US4914508; US6072545; US6396596; US6430180; US20030169755
- CT - (EP1449096)
Cited in the search report
- See references of WO 03044677A1
- CT - (EP1529278)
Cited in the search report
- See references of WO 2004015680A1
- CT - (WO200344677)
Cited in the search report
- US5948081(A) (Cat. Y);US5598575(A) (Cat. Y);US6000001(A) (Cat. A)
- CT - (WO200415680)
Cited in the search report
- US5909225(A) (Cat. X);WO9739437(A) (Cat. Y);US2003095126(A1) (Cat. X,P);WO0000893(A) (Cat. A);US4811205(A) (Cat. A);US5852451(A) (Cat. A)
- KHARE A ET AL: "HIGH-LEVEL SYNTHESIS WITH SDRAMs AND RAMBUS DRAMS" IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E82-A, no. 11, November 1999 (1999-11), pages 2347-2355, XP000885102 ISSN: 0916-8508(Cat. Y)
- GLEERUP T ET AL: "MEMORY ARCHITECTURE OF EFFICIENT UTILIZATION OF SDRAM: A CASE STUDY OF THE COMPUTATION/MEMORY ACCESS TRADE-OFF" PROCEEDINGS OF THE 8TH. INTERNATIONAL WORKSHOP ON HARDWARE/SOFTWARE CODESIGN. CODES 2000. SAN DIEGO, CA, MAY 3 - 5, 2000, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON HARDWARE/SOFTWARE CODESIGN, NEW YORK, NY: ACM, US, 3 May 2000 (2000-05-03), pages 51-55, XP000966198 ISBN: 1-58113-214-X(Cat. Y)
- AB - (US20030095126)
A system and method for managing memory in display processing circuit for use with a color sequential display. The system comprises: a shared memory; and a storage queue coupled to the shared memory, wherein the storage queue includes: a system for receiving and storing alternating packets of color-specific video data in the storage queue; and a system for separately reading contiguous sets color-specific packets from the storage queue to the shared memory.

2/7 PLUSPAT - (C) QUESTEL-ORBIT- image

PN - US6314478 B1 20011106 [US6314478]

TI - (B1) System for accessing a space appended to a circular queue after traversing an end of the queue and upon completion copying data back to the queue

PA - (B1) NEC AMERICA INC (US)

PA0 - NEC America, Inc., Melville NY [US]

IN - (B1) ETCHEVERRY WILLIAM R (US)

AP - 1998US-0222378 19981229

PR - 1998US-0222378 19981229

CT - (US6314478)

US5235676; US5446839; US5450544; US5515082; US5519701; US5584038; US5623608; US5623621; US5689693; US5694125; US5699530; US5832307; US5845092; US5870627; US5873089; US5968107; US6000001; US6044419; US6044434; US6112266; GB2350533 A

AB - (US6314478)

A circular queue system is implemented using either a `mirror space` appended to the circular portion of the queue (or buffer) or an `borrow` space appended to the circular portion of the queue (or buffer). In each implementation, address verification or checking within the queue is not implemented until such time as the read or write portion to the queue has substantially completed. Where the address would normally exceed the physical or logical end address of the circular queue, the `mirror space` or `borrow` space provides sufficient storage to prevent overflow into other valid data. Upon substantial completion of the read or write to the queue (or buffer), the present address of the pointer is determined, and where the circular portion of the queue (or buffer) has been traversed, the data in the `mirror space` is copied into the circular queue (or buffer) and the pointer's address is repositioned to be within the circular queue (or buffer), or for a `borrow` space, the pointer's address is reset to the queue's (or buffer's) physical or logical start address.

.(display abbreviated)

<< Cited Patents: Previous Patents Cited by Source Family >>

1/4 PLUSPAT - (C) QUESTEL-ORBIT- image

PN - US5857086 A 19990105 [US5857086]

- EP0878764 A2 19981118 [EP-878764]

- EP0878764 A3 19991027 [EP-878764]

- JP11073386 A 19990316 [JP11073386]



TI - (A) Apparatus method and system for peripheral component interconnect bus using accelerated graphics port logic circuits
OTI - (A2) Rekonfigurierbare Busbrücke
- (A2) Passerelle de bus reconfigurable
PA - (A) COMPAQ COMPUTER CORP (US)
PA0 - Compaq Computer Corporation, Houston TX [US]
IN - (A) OLARIG SOMPONG PAUL (US); HORAN RONALD TIMOTHY (US)
AP - 1997US-0855401 19970513; 1998EP-0303692 19980512; 1998JP-0130524 19980513
PR - 1997US-0855401 19970513
CT - (US5857086)
US5682484; US5740387; US5748921; US5754801
CT - (EP-878764)
Cited in the search report
- EP859320(A1) (Cat. E); WO9534065(A2) (Cat. Y); US4534011(A) (Cat. Y); US5506973(A) (Cat. A)
AB - (US5857086)
A multiple use core logic chip set is provided in a computer system that may be configured either as a bridge between an accelerated graphics port ("AGP") bus and host and memory buses, as a bridge between a 32 bit additional peripheral component interconnect ("PCI") bus and the host and memory buses, or as a bridge between a primary PCI bus and an additional PCI bus. The function of the multiple use chip set is determined at the time of manufacture of the computer system or in the field whether an AGP bus bridge or an additional 32 bit PCI bus bridge is to be implemented. The multiple use core logic chip set has an arbiter having Request ("REQ") and Grant ("GNT") signal lines for each PCI device utilized on the additional 32 bit PCI bus. Selection of the type of bus bridge (AGP or PCI) in the multiple use core logic chip set may be made by a hardware signal input, software during computer system configuration or power on self test ("POST"). Software configuration may also be determined upon detection of a PCI device connected to the common bus.

2/4 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - US5832304 A 19981103 [US5832304]
TI - (A) Memory queue with adjustable priority and conflict detection
PA - (A) UNISYS CORP (US)
PA0 - Unisys Corporation, Blue Bell PA [US]
IN - (A) BAUMAN MITCHELL A (US); CARLIN JEROME G (US); GILBERTSON ROGER L (US)
AP - 1995US-0404791 19950315
PR - 1995US-0404791 19950315
CT - (US5832304)
US4400771; US4598362; US4707781; US4736362; US5088053; US5140682; US5165021; US5193193; US5214769; US5218688; US5235688; US5241632; US5282271; US5317720; US5432923; US5530835
AB - (US5832304)
An improved memory request storage and allocation system using parallel queues to retain different categories of memory requests until they can be acted on by the main memory. Memory requests in the parallel queues are allowed to access the main memory according to a queue priority scheme. The queue priority scheme is based on an adjustable ratio, which determines the rate at which memory requests from one queue are allowed to access the main memory versus memory requests from other queues. Registers for bypassing the adjustable ratio eliminate delays by prohibiting the queue priority circuitry from attempting to retrieve a non-existent memory request from a queue. Conflict detection circuitry maintains proper instruction order in the parallel queue architecture by ensuring that subsequent memory requests, which have the same address as a memory request already in the queue, are placed in the same queue in the order that they were entered into the queue.

.
.
.
(display abbreviated)

Advanced Patent Searching Review

Patent Family Searching

FAM <number>/<field>	Search for patent family (family single mode in FamPat, PlusPat, INPD, DWPI.
FAM <patent/publication number>/PN	Use the appropriate field qualifier based on the patent/publication, application or priority number.
FAM <application number>/AP	
FAM <priority number>/PR	
PRT [ss N format n1-n2/set]	Display the family search results in the desired format.
FAMSTAT FAMSTATE	Display the results of the family search in the PlusPat and INPD files and the corresponding Legal Status file integrated into the display.
MFAMSTAT MFAMSTATE	Display the results of the family search in PlusPat in one record with the corresponding Legal Status integrated into the display.

Cluster Searching

CL	List the user and system-defined clusters
CL <clustername> <name1> ...<name40>	Creates your own cluster
FILE CL <clustername>	Access the user or system-defined cluster
CL ER <clustername>	Erase the cluster

Patent Family Searching in a Cluster

FAMCL <number>/<field>	Search for patent family (family equivalents) in the cluster mode. (<number> is publication, application or priority number; <field> is the corresponding field tag - PN, AP, PR).
---	--

Patent Grouping

ID	Perform patent grouping of the results
ID <name1><name2> ...<nameN>	Reorder the files in the cluster if necessary, using the names of the databases in the required order
PRT PATGR x-y [Options]	Display the results of the patent grouping (x,y - record numbers, Options: NODUP, SINGLE etc.)



PRT GR m-n [Options] Display the results of the patent grouping (m,n - group numbers, Options: NODUP, SINGLE etc.)

Citation Analysis

CITF <number>
CITF SS <n>

Search for patents citing the number or the records in the search set. Number can be publication, application, or priority number.

CITB <number>
CITB SS <n>

Search for patents cited by the number or the records in the search set. Number can be publication, application, or priority number.

FAMCITE

Display the source family, the citing patent families, and the cited patent families

Practice Exercises

4. Using FamPat, search for Canadian patent 2230220. Display the result. How many family members are there in the FamPat family? Switch to PlusPat and perform a family search on the same patent. Without displaying all the results, how many extended family members are there?
5. Search for a document with a 1996 US application number 602467. Issue the FAMSTAT command. Who is the inventor and what is the date on the US Certificate of Correction?
6. Enter the PATENTS file cluster. Which files have records for AU9878617? Which files have family information?
7. Create a cluster containing the INPD, IFIPAT, PCTPAT, and EPPATENT files. Search for records with Apple computer as patent assignee and G06K-009 IC codes. ID the records. ID the records again but reorder the patent files with listed first. Compare the number of patent groups, and duplicate records from the results of each ID command. Display the single patent group(s) in the abstract format.
8. Using PlusPat, conduct a family search on US5656565 and display the citing and cited patents and their families. How many patent families cited this patent. How many patent families are cited by the patent family.



Section III

Saving Searches

Saving and Executing a Search

Automatic Saving of Searches

On Questel•Orbit, there is no need for a temporary save search command, because while you are connected, every search statement entered in a file is retained even as you change files. So if you carry out a strategy in one database, it is retained as you move into another database, and when you reenter a file, you will not be at search statement 1, rather where you left off.

Additionally, a search is automatically saved for 2 hours after a session is ended. To reuse a search when reconnecting to the system within the 2 hour period, answer 'Y' to the question: "Continue the search in Questel•Orbit: Y / N?"

```
(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998          05/01/00 17*31*19
Last connection: 05/01/00 15*47*25
```

```
- WELCOME TO A NEW UNIQUE SERVICE, SEE INFO NEWQO
  ALL INFORMATION ON WWW.QUESTEL.ORBIT.COM, -> IPG
- NEW : PATENT DOCUMENT DELIVERY, see (..)INFO PDDS
- New prices trademarks databases, (..)INFO MARKSPRICES
- NEWS on Derwent Information : see (..)INFO NEW-
- Everything about the IPG project, enter (..)INFO IPG
```

```
Continue the search in Questel.Orbit: Y / N
```

y

Should you wish to reexecute a search from one file into another file, simply use the **EXECUTE (EX)** command:

EX [FROM <database name>] use FROM option to specify the file with original strategy from

EX m-n FROM <database name> where m,n - search statements numbers that have to be re-executed in the new database

Step 1

Select the database and develop the search strategy

```
fi dwpi
lim /pd=1998
```

```
** SS 1: Results 851.477
  Search limited to 851477 documents
  Limitation starting with SS 1
```

(hair 3d dye+) or (hair 2d colo+)

Frequency	Term
28950	HAIR
28950	HAIR
191088	DYE+
415988	COLO+

```
** SS 2 (LIM) : Results 589
```



Step 2

Change the database and re-execute the search strategy:

EX FROM <Database name>

```
1/589 DWPI - (C) Derwent
TI      - Purple-red ***color*** ***hair***
***dye*** - prepared from 2-(2'-
hydroxyethylamino)-5-aminotoluene, 5-amino-2-
methylphenol and 4-amino-3-methylphenol
```

file eppatent

ex from dwpi

```
<<..LIM /PD=1998>>
```

```
** SS 1: Results 73.320
Search limited to 73320 documents
Limitation starting with SS 1
```

```
<<(HAIR 3D DYE+) OR (HAIR 2D COLO+)>>
```

Frequency	Term
2887	HAIR
2887	HAIR
14133	DYE+
64583	COLO+

```
** SS 2 (LIM) : Results 55
```

prt ti



Temporary Saved Searches

SAVE command

The following steps show how to save and execute searches temporarily (kept on the system for 7 days - FREE of charge).

Step 1

Select the file and create the search strategy.

Step 2

Temporarily save the strategy by using the command:

SAVE <search_name>

SHO display names of all saved searches

SHO <search_name>

display the complete search strategy of the saved search

Step 3

Switch to the database of choice and execute the saved search.

EX <search_name>

Erasing a Saved Search

PURGE <search_name>

file dwpi

electronic 3d (publishing or publication? or document?)

** SS 1: Results 947

1 and pd=1997:1999

** SS 2: Results 450

2 and us/pc

** SS 3: Results 126

save digital

DWPI - 16/11/1999

Save search creation : DIGITAL

sho

Save search : DIGITAL

DWPI - 1999/11/16

sho digital

Save search : DIGITAL

DWPI - 1999/11/16

```
1 - ELECTRONIC 3D
(PUBLISHING OR
PUBLICATION? OR
DOCUMENT?)
2 - 1 AND /PD=1997:1999
3 - 2 AND US/PC
```

file inpd

ex digital

<<ELECTRONIC 3D (PUBLISHING OR PUBLICATION? OR DOCUMENT?)>>

** SS 1: Results 535

<< 1 AND /PD=1997:1999 >>

** SS 2: Results 201

<< 2 AND US/PC>>

** SS 3: Results 43

purge DIGITAL

Cancel digital Confirm: Y / N

y



Permanent Saved Searches

The following steps show how to save and execute permanent saved searches.

Step 1

Select the file and create the search strategy.

Step 2

Permanently save the strategy by using the command:

STORE <search_name>

SHO display names of all saved/stored searches

SHO <search_name>

display the complete search strategy of the saved search

Step 3

Switch to the database of choice and execute the saved search.

EX <search_name>

Erasing a Saved Search

PURGE <search_name>

fi dwpi

(fibre or fiber) (2w) optic

** SS 1: Results 12.436

1 and (us/pc or jp/pc)

** SS 2: Results 8.756

store fiber

DWPI - 16/11/1999
Save search creation : FIBER

sho

Save search : DIGITAL
DWPI - 1999/11/16

Save search: FIBER
DWPI - 1999/11/16

sho fiber

Save search: FIBER
DWPI - 1999/11/16
1 - (FIBRE OR FIBER) (2W) OPTIC?
2 - 1 AND (US/PC OR JP/PC)

ex fiber

Save search: FIBER
DWPI - 1999/11/16

<<(FIBRE OR FIBER) (2W) OPTIC>>

Frequency	Term
34618	FIBRE
102764	FIBER
13515	OPTIC

** SS 1: Results 8.476

<< 1 AND (US/PC OR JP/PC)>>

Frequency	Term
2627684	US/PN
8867810	JP/PN

** SS 2: Results 3.079

Search statement 3

purge fiber

Cancel FIBER Confirm: Y / N

y



Review: Saving Searches

Temporary Saving and Executing Searches

EX new database.	Execute the search from the previous database in a new database.
EX m-n FROM <database name>	Use FROM option to specify the file with original strategy from (m,n - search statements numbers to be re-executed in the new database).

Temporary Saved Searches

SAVE <search_name>	Temporarily save the search strategy.
EX <search_name> saved search.	Switch to the database of choice and execute the saved search.
SHO	Display the list of all saved searches.
SHO <search_name> saved search.	Display the complete search strategy of the saved search.
PURGE <search_name>	Erase a saved search.

Permanent Saved Searches

STORE <search_name>	Permanently save the search strategy.
EX <search_name> saved search.	Switch to the database of choice and execute the saved search.
SHO	Display the list of all saved searches.
SHO <search_name> saved search.	Display the complete search strategy of the saved search.
PURGE <search_name>	Erase a saved search.



Practice Exercises

9. In TULSA, search for patents with IPC E21B and British Petroleum as patent assignee. Store the search as "OIL". Change to the WPAM file and execute the same search.

10. In the CAS file search for patents with IPC C12N, assigned to the Max Planck Institute. Store the search temporarily and switch to the cluster you created. In the cluster, execute the search you just stored. ID the results with file first. Display the record from the PCTPAT file in the test format.

Section IV

Delivery Options

Apart from the online display of the retrieved records, there are two main options available to Questel•Orbit users for delivery of search results:

- **offline printing** - this option allows to deliver results offline;
- **SDI's (Selective Dissemination of Information)** - automatic current awareness service.

Offline Printing

Types of delivery available for offline printing:

- to a specified mailing address
- via Internet e-mail

Depending on what type of delivery is preferable, use the following instructions to place an order for the offline prints.

Step 1

Select the database, perform the search

Step 2

Order offline prints in the desired form:

Option 1. *Postal mailing address*

You have to setup the postal address to use this option. See p.64 for AD command

PR

Note: system default is a delivery of a maximum of 500 records from the last search statement in MAX format mailed to the stored postal address.

PR STDR
PR TI PA IN PN
PR ss 2
PR IMG

To cancel an offline print use:

ER PRn where n - offline print order number

fi dwpi

/pa us robotics

** SS 1: Results 29

pr

Offline print of results in SS: 1
Number of documents: 29
Confirm: Y / N

y

Print number: PR1

er pr1

Cancel PR1 Confirm: Y / N

y



Option 2. Internet e-mail

To use this option it is necessary to setup email address (see p. 64 For SET EMAIL command)

PR EMAIL

** SS 2: Results 314

pr ss 2 email rtf img

Offline print of results in SS: 2
Number of documents: 314
Confirm: Y / N

y

Print number: PR2

computer and speech recognition

EXPORT Command – Menu prompted

Enter EXPORT and follow the menu prompts for offline delivery by email or postal delivery, and for exporting results into Patent Examiner and PatReader.

Here is a sample search using the **EXPORT** command:

file fampat

Selected file: FAMPAT

Search statement 1

pfizer/pa and antibiotic?

Frequency Term
9269 PFIZER/PA
19447 ANTIBIOTIC?

** SS 1: Results 395

Search statement 2

export

Typing Export will generate a series of the following prompts.

Enter the search statement number to be used for print :
(Pressing "Enter" will default to the last SS with results)

<Enter>

Enter range of records (e.g. 1-10 20 ...)
(Max 5000 records by post/mail and 1000 records by e-mail)
(Pressing "Enter" will default to ALL the records in the set)

1-20

Enter Delivery type, postal or email :
(Pressing 'Enter' will default to postal/mail delivery)

email

Enter E-Mail address(es) :
(Up to 6 addresses, each on a separate line when prompted)
(Pressing "Enter" defaults ONLY to permanent email address)

<Enter>

Enter Delivery format (TXT or RTF or PDF or XML) :



(RTF or PDF or XML is required for images)
(Pressing 'Enter' will default to TXT delivery format)

pdf

Enter only Format/Field(s) with LEGAL/FULLCLMS/CITE display options, e.g.: MAX LEGAL or ABST FULLCLMS.
(Pressing 'Enter' will default to MAX format)

max legal

Print images ? : Yes / No

y

Enter a Title, to identify print and display with results :
(3 lines max, up to 60 characters per line)
(Pressing 'Enter' will default to no title)

Pfizer Antibiotics

Next title line (3 lines maximum) :
(Pressing "Enter" will stop title prompting)

Enter a Number corresponding to following Page Styles :

- 1 - Field Tags and without Page Breaks (Default Page Style)
- 2 - Field Tags and with Page Breaks
- 3 - Full Field Names, Indented Text and without Page Breaks
- 4 - Full Field Names, Indented Text and with Page Breaks
- 5 - Report (Available on selected databases)
- 6 - Report - Merged Family (PlusPat only)
- 7 - Trademark Table (FRTM only)
- 8 - Anacubis (PlusPat only)
- 9 - Spreadsheet, Excel compliant
- 10 - PatentExaminer (Available on selected databases)
- 11 - PatReader (Available on selected databases)

3

Sort results by field(s) : (e.g. /PA)
(Up to 3 fields for simultaneous sorting, e.g. /PA/PCL/PD)
(Press "Enter" if no specified field sorting is required)

Offline print of results in SS: 1
Number of documents: 20



Confirm: Y / N

y

Print number: PR1



Current Awareness Service

SDI's (Selective Dissemination of Information) is an automatic current awareness service. On Questel•Orbit, it is necessary to enter the desired search in the desired database. The creation of the SDI profile similar to saving the search.

SDI's are executed on a database update, as soon as the update is available. With Questel•Orbit SDI's, results can be delivered via:

postal mail

Internet e-mail

*Set up address with the **AD** command*

*Set up e-mail address with the
SET EMAIL command*

ad

PERMANENT ADDRESS //AD//
Change this address: Y / N

y

Enter your address under each heading:
Enter 'RETURN' for an empty line.
Organization:

Questel.Orbit

Department:

Customer Services

First and last names:

XYZ

Number and street:

7925 Jones Branch Drive

Optional info:

Postal code and City:

McLean, VA 22102

Country:

USA

NEW PERMANENT ADDRESS

Postal address:
QUESTEL.ORBIT
CUSTOMER SERVICES
XYZ
8000 WESTPARK DRIVE
MCLEAN, VA 22102
USA

Confirm this address: Y / N

y

New permanent address is validated.

1. To setup e-mail address:

set email

E-Mail address :

anyone@anywhere.com

New E-Mail address :
ANYONE@ANYWHERE.COM

Confirm this E-Mail address : Y /
N

y

New E-Mail address valid.
Search statement 1

2. To change e-mail address:

set email

E-Mail address :
ANYONE@ANYWHERE.COM

Change of E-Mail address : YES/NO

y

Step 1

Select the database and perform a search.

Step 2

To save the search strategy as an SDI, simply type the SDI command followed by a name. Other options are available to specify delivery and format of results.

If not other specified, results will be sent in MAX format to the permanently stored postal address (AD). There is an 8 character maximum for the SDI name.

SDI <SDIname> <Options>

Options:

1) *E-mail delivery:*

SDI <SDIname> EMAIL

To send the SDI to e-mail address different than permanent e-mail address:

SDI <SDIname> EMAIL ; SET

To include special characters, accents etc.:

SDI <SDIname> EMAIL RTF

2) *Images delivery:*

SDI <SDIname>; PR IMG

E-mail delivery including images:

SDI <SDIname> EMAIL RTF;PR IMG

Note: RTF option is required to receive images

3) *Create an SDI from a search developed in a previous database:*

SDI <SDIname> FROM <database>

4) *Survey specific updates (for example, in Derwent World patent Index File - both basics and equivalents updates):*

SDI <SDIname>; SURV UP UE

5) *Combine parameters using semicolon (;). End each long line with a space and a hyphen (-) to continue on a new line:*

SDI <SDIname>; PR ABST; SO /PA; - TI Optical Disk

file dwpi

(fibre or fiber) (2w) optic?

** SS 2: Results 13.344

sdi fiboptic

DWPI - 04/12/98
Creation profile: FIBOPTIC

sdi fiboptic email

sdi fiboptic email; set

sdi fiboptic email rtf

sdi fiboptic; pr img

sdi fiboptic email rtf; pr img

sdi mySDI from EPPATENT

sdi mySDI; surv up ue

sdi mySDI email rtf; pr full img; surv ue; - so /pa; ti patent equivalent search



Additional SDI commands

SHOSDI UserID Lists all SDI's on

SHOSDI <SDIname> Displays the details for a specific SDI

EX <SDIname> Runs an SDI as a saved search

PURGESDI <SDIname> Deletes an SDI

shosdi

Profile: FIBOPTIC
DWPI - 1999/01/23

shosdi fiboptic

Profile: FIBOPTIC
DWPI - 1998/12/04
1 - (FIBRE OR FIBER) (2W)
OPTIC?
Postal address:
PERMANENT USER ADDRESS

ex fiboptic

<<(FIBRE OR FIBER) (2W) OPTIC?>>

Frequency	Term
286387	FIBRE
6081	FIBER

** SS 2: Results 13.413

purgesdi fiboptic

Cancel FIBOPTIC Confirm: Y / N

y



Review: Delivery Options

Offline Printing

- AD** Setup the postal mailing address for the UserID.
- PR** Order offline prints to be delivered to postal mailing address (STDR record display format).
- PR [ss N <format> IMG]** Specify additional options for the offline prints (specific search set number, display format, including IMG - image).
- ER PRn** Cancel an offline print (n - offline print order number).
- EXPORT** Will generate a series of prompts for offline printing by email or postal delivery.

Offline Printing: E-MAIL Option

- SET EMAIL** Set up an e-mail address on the UserID.
- PR EMAIL** Order offline prints to be delivered to e-mail address.

Current Awareness Service

- SDI <SDIname>** Save the search strategy as an SDI.
- SDI <SDIname> FROM <database>** Create an SDI from a search developed in a previous database.
- SDI <SDIname> EMAIL** SDI Internet e-mail delivery
- SDI <SDIname> EMAIL RTF;PR IMG** Include images with SDI e-mail delivery.



Practice Exercises

11. In the file, recall the stored search "OIL" and execute it. Set it up as an SDI and have it delivered to you email address.

12. Delete the SDI, Cluster, stored search, and user format you created.



Appendix A

Questel•Orbit Synonyms Commands and GET Macros

Orbit synonyms have been setup for the Questel•Orbit system to give Orbit users a familiar stepping stone into the Questel•Orbit system.

Orbit Commands Questel Equivalent Questel•Orbit Synonym & Format

FILE	..FI		
NEIGHBOR	..IND	NBR	NBR /fld name
NBR	..IND	NBR	NBR /fld name

View, Modify

HISTORY	..HI	HIS	
HIS	..HI	HIS	
BACKUP	..ER	BACKUP	
BACKUP N	..ER n	BACKUP	BACKUP n
ERASEALL	..ER ALL	ERSLL	
ERSLL	..ER ALL	ERSLL	

Save, Store, etc.

SAVE	..SV SE	SAVE	SAVE name
STORE	..SV SE	STORE	STORE name
HIS name	..HI SE name	SHO	SHO name
SHOWSEARCH	..HI SE	SHO	
PURGE name	..ER SE name	PURGE	PURGE name

SDIs

SDI	..SV PF	SDI	SDI name
SHOWSDI	..HI PF	SHOSDI	
SHOSDI	..HI PF	SHOSDI	
SHOSDI HIS	..HI PF name	SHOSDI	SHOSDI name



Orbit Commands Questel Equivalent Questel•Orbit Synonym & Format

Crossfile

PRINT SELECT	..MEM	PRTSEL	PRTSEL /fld
--------------	-------	--------	-------------

Use /XPN and /XPR to crossfile patent and priority numbers.

SELECT	*MEM /fld	*MEM/fld
--------	-----------	----------

SCRUBSELECT	..ER MEM	ERSEL
..ER MEM	ERXFILE and ..ERXF	

Print Commands

PRT	..LI	PRT
PRINT	..LI	PRT
OFFLINE	..PR	PRTOFF
PRTOFF	..PR	PRTOFF

GET Macros

The GET macros have been programmed to simplify statistical analysis on the Questel•Orbit system, and work on key patent data. The macros work very similarly to the GET command on Orbit, in that the results are automatically displayed. To use the GET macro, use the following command: **GET fld**

Data Acronym

Patent Assignee	PA
Company Code	CC
Inventor	IN
Publication Country	PC
Priority Country	PRC
Publication Date	PD
Publication Year	PY
Application Date	APD
Priority Date	PRD
IPC	IPC
Main IPC	MIPC
European Class	EC
US PCL	PCL

Appendix B Online Help

Database statistics and update information

file **dwpi stat** (can be accessed without entering the actual database)

File : DWPI

Number of documents: 9569915

Number of indexed terms: 235151279

Date of first update period: 1965/01/01

Date of last update period: 1999/11/15

You are now connected to Derwent World Patent Index
 (c) Derwent Information Ltd., All Rights Reserved.
 UP (basic) , UE (equiv) , UA (poly) , UB (chem) updates thru 1999-46
 Reloaded with all year data in Year 2000 format: see (..)INFO
 For info on New Derwent Content and file DWPX: see (..)INFO NEW-

Database field qualifiers (full names)

Use the **FLD** command to obtain the list of the field qualifiers available for searching and displaying, when connected to a particular database (DWPI in this case):

FLD

bi	bi	TEXT	
it	BI	KW	Index Terms (IW)
AB	BI	TEXT	Basic Abstract
AB!	BI	TEXT	Basic Abstract
AN	AN	CODE	Accession Number
AP	AP	CODE	Application Data (APC APD)
APB		CODE	Application Data basic
AW	BI	KW	Additional Words
AY	AY	CODE	Accession Year (EY)
CN	BI	KW	Compound Numbers
CT	CT	CODE	Cited Patents
DC	DC	CODE	Derwent Classes
DEAB	BI	TEXT	DE Equiv. Abst. (ABDE)
DN	DS	KW	Des. States Nat. DSN

Continue: Y / N

n

Database display formats

While connected to the particular database, use **FOR** to obtain the list of the predefined display formats and the fields included.

Database field qualifiers

Use **NBR** to get the full name for the abbreviated names of field qualifiers:

NBR

AN	-	Accession Number
AP	-	Application Data
APC	-	Application Data
APD	-	Application Data
AU	-	Inventors
AY	-	Accession Year
CIB	-	Int. Pat. Class.
CS	-	Patent Assignee
CT	-	Cited Patents
DC	-	Derwent Classes
DS	-	Des. States Reg.
DW	-	Patent Family
EY	-	Accession Year
FM	-	Patent Family



Example:

file dwpi

Selected file: DWPI

You are now connected to Derwent World Patent Index
 c) Derwent Information Ltd., All Rights Reserved.
 UP (basic) , UE (equiv) , UA (poly) , UB (chem) updates thru 1999-46
 Reloaded with all year data in Year 2000 format: see (..)INFO
 For info on New Derwent Content and file DWPX: see (..)INFO NEW-

for

```

Field/Index catalogues
ABS <--- AB  AB!  DEAB  EPAB  GBAB  USAB
CC  <--- PA.FLD
DSR <--- DS
IT  <--- it  AW

File formats
STDR <--- AN  XR  XA  XP  TI  DC  AW  PA  PN
      DS  DN  PR
BRF  <--- AN  XR  XA  XP  TI  DC  PA  AB
MAX  <--- AN  XR  XA  XP  TI  DC  AW  PA  IN
      NP  NC  PN  TR  DS  DN  LA  PR  AP
      CT  IC  AB  AB!  DEAB  EPAB  GBAB  USAB  MC
      UP  UE
BASC <--- AN  XR  XA  XP  TI  DC  AW  PA  IN
      NP  NC  PNB  TR  PR  APB  CT  IC  AB
      AB!
FULL <--- AN  XR  XA  XP  TI  AW  PA  IN  DC
      NP  NC  PN  TR  DS  DN  LA  PR  AP
      CT  IC  AB  AB!
ABST <--- AN  XR  XA  XP  TI  PA  IN  DC  PN
      DS  DN  PR  AB  AB!  DEAB  EPAB  GBAB  USAB
CODE <--- AN  XR  XA  XP  it  AW  DC  IC  MC
      KS  A  A01  A02  A03  A04  A05  A06  A07
      A08  A09  A10  A11  A12  A13  A14  A15  A16
      A17  A18  A19  A20  A21  A22  A23  A24  A25
      A26  A27  A28  A29  A30  A31  A32  A33  A34
      A35  A36  A37  A38  A39  A40  M0  M1  M2
      M3  M4  M5  M6  RR  DR  CN  UA  UB
      NP  NC
TEST <--- AN  XR  XA  XP  FS  DC  it  AW  NP
      NC
TITL <--- AN  XR  XA  XP  DC  TI  AW  NP  NC
TICO <--- AN  XR  XA  XP  TI  AW  DC  IC  MC
      KS  A  A01  A02  A03  A04  A05  A06  A07
      A08  A09  A10  A11  A12  A13  A14  A15  A16
      A17  A18  A19  A20  A21  A22  A23  A24  A25
      A26  A27  A28  A29  A30  A31  A32  A33  A34
      A35  A36  A37  A38  A39  A40  M0  M1  M2
      M3  M4  M5  M6  RR  DR  CN  UA  UB
      NP  NC
IT  <--- it  AW
ZOOM <--- APB
VDTX <--- AN  TI  DC  PA  PN  DS  DN  PR

```

Appendix C

Page Layout

User page layout for the records display can be setup on Questel•Orbit and used as an



option with the following commands: **PRT, FO, BR.**

PSET displays current user-defined page layout settings
Note: Maximum number of page layouts is 30

The following is an example on how to create a user-defined page layout that will be referred to as page layout number 3 (assign number between 1 and 30) and with the following parameters:

- **NUMB 3** Assign page layout number 3.
- **LMC 19** Indentation of 19 characters (to indent the second and successive lines of each paragraph from the left-hand margin).
- **FLDT 17 "- "** Fixed field text length (20 - maximum) followed by characters in quotes (in this case hyphen -)

Note: Consult the mini-guide for other options.

PSET NUMB 3 LMC 19 FLDT 17 "- " PRG 17 "- "

Page set entered: 3

Display the 1st record from the ss 1: **interactive**

graphics

Using the defined PSET 3 format]

prt pset 3 ss 1 1

```
1/1 DWPI - (C) Derwent- image
Accession Nbr - 1998-495336 [42]
Related Acc. Nbrs- 1997-042605
Sec. Acc. Non-CPI- N1998-386953
Title - Multiprocessor graphic display system - includes
pair of private caches that include respective
storage parts for storing requested data in
corresponding entries only based on indication
result of respective indicators
Derwent Classes - T01
Additional Words - PROGRAMMER S HIERARCHICAL INTERACTIVE GRAPHICS SYSTEM
Patent Assignee - (IBMC ) INT BUSINESS MACHINES CORP
Inventors - KAWASE K; MORIYAMA T
Patent Number - US5802570 A 19980901 DW1998-42 G06F-012/00 11p *
FD: Cont of US5584011
AP: 1995US-0372614 19950113; 1996US-0702424 19960814
Priority Nbr - 1994JP-0004040 19940119
```



Notes: