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Intellectual Property*



Full-service intellectual property solutions

Mini-guide

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1. CONNECTING TO QUESTEL ORBIT

<ul style="list-style-type: none"> - Type the Questel•Orbit Network User Address - Choose the Questel•Orbit service you require from this Welcome menu : Current host setting :8 BITS - KERMIT protocol Mode actif du serveur :8 BITS - protocole KERMIT I - QUESTEL•ORBIT IMAGES Gif/Tiff Q - QUESTEL•ORBIT (TTY/ASCII terminals) C - Change your mode to 7 BITS and KERMIT protocol X - EXIT Choice / Choix ? I <p>Web Access through QWEB</p> <ul style="list-style-type: none"> - Enter QWEB website address - Click on Login or Secure Login - Type your Login & Password in boxes provided - Click on Login button 	<p>questel.com (telnet connection)</p> <p>Choice / Choix ? I Logon ? XXXXX:XX YYYY</p> <p>http:// www.qweb.questel.com Logon : XXXXX:XX Password : XXXX</p>
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2. LOGGING OFF

<p>To end a session</p> <ul style="list-style-type: none"> - With a temporary saved search of two hours - default current search session and any MEM or MEMS lists - Without a temporary saved search 	<p>ST</p> <p>ST EN</p>
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3. SUBACCOUNT

<p>To charge back your online search costs to a particular client, department or project number, the online cost estimator and the monthly invoice will be itemized per subaccount</p> <p>To start a subaccount Give a name up to 30 alphanumeric characters. (No spaces or tabs are allowed in the subaccount name.)</p> <p>To display the subaccount currently being charged</p> <p>To list all subaccounts that have been charged during the current search session</p> <p>To revert charging to the main billing account</p>	<p>SUBACCT MARKET</p> <p>SUBACCT</p> <p>HIS SUBACCT</p> <p>SUBACCT END</p>
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4. SELECTING A DATABASE

<p>To display the list of currently available databases To obtain a list of databases beginning with "Z" (training files)</p>	<p>FI or FILE FI Z+</p>
<p>To obtain statistics of a database</p>	<p>FI PLUSPAT STAT</p>
<p>To select a database (or change databases) Changing databases:</p> <ul style="list-style-type: none"> - with a temporary saved search (default) - and re-executing the search strategy from a previously-selected database. Use a ";" to stack several commands together on one line, and the "FROM" parameter followed by the name of the previous database 	<p>FI PLUSPAT or FILE PLUSPAT</p> <p>FI FAMPAT or FILE FAMPAT FI DWPI;EX FROM PLUSPAT</p>

<ul style="list-style-type: none"> - and erasing the search strategy in the current database (the MEM and MEMS lists remain intact) - and erasing all the previous search strategies <p>To select the Questel Orbit "Parking file" with a temporary saved search</p>	<p>ERSLL</p> <p>ER FROM BEGIN</p> <p>FI QUESTEL</p>
<p>To select a database CLuster (system or user-defined database clusters for "one search" or multi-file search)</p>	<p>FI CL PATENTS [or] FI PATENTS (use of "CL" is optional)</p>
<p>For more on CLuster searching, click on link at right - or turn to page 15</p>	<p><u>CLuster Searching</u></p>
<p><u>Notes:</u></p> <ul style="list-style-type: none"> ▪ The same commands and operators used for searching a single database are used when searching in a cluster environment. Use the FROM parameter to limit a command to a single database. This parameter must be used with some specific commands. ▪ The display of detailed search results (database by database) may be switched on or off in POP settings using the DETail ON or DETail OFF commands. The default is to display the detailed search results (DET ON). ▪ When connecting to a cluster, all previously created search strategies are erased. 	

5. LIMITING A SEARCH

5.1 Limiting to a specific update or range of updates

Note : The UP command uses the date the update is added to the database, and does not correspond exactly to the producer update.

<p>List updates in a particular database for selection:</p>	<p>Selected file: FAMPAT</p> <p>UP</p> <table style="border: none;"> <tr><td>1</td><td>32365</td><td>2005/03/16</td></tr> <tr><td>2</td><td>41278</td><td>2005/03/09</td></tr> <tr><td>3</td><td>26440</td><td>2005/03/02</td></tr> <tr><td>4</td><td>21776</td><td>2005/02/23</td></tr> <tr><td>5</td><td>29842</td><td>2005/02/17</td></tr> <tr><td>6</td><td>34524</td><td>2005/02/09</td></tr> </table>	1	32365	2005/03/16	2	41278	2005/03/09	3	26440	2005/03/02	4	21776	2005/02/23	5	29842	2005/02/17	6	34524	2005/02/09
1	32365	2005/03/16																	
2	41278	2005/03/09																	
3	26440	2005/03/02																	
4	21776	2005/02/23																	
5	29842	2005/02/17																	
6	34524	2005/02/09																	
<ul style="list-style-type: none"> - Select the most recent update - Select update number 3 - Select updates 3 – 6 	<p>1</p> <p>3</p> <p>3-6</p>																		
<p>Limiting a search to specific update periods:</p> <ul style="list-style-type: none"> - To most recent updates - To update period number 5 - To updates 5 to 7 	<p>UP 1</p> <p>UP 5</p> <p>UP 5-7</p>																		
<p>Limiting by updates a search to a specific range of years:</p> <ul style="list-style-type: none"> - To a single year - To a range of years 	<p>UP 2005</p> <p>UP 2003-2004</p>																		
<p>List updates from a specific database in a previously-selected database or specific database in a cluster environment</p>	<p>UP FROM EPPATENT</p> <p>UP 1-10 FROM DWPI</p>																		
<p>To return to the complete database</p>	<p>UP ALL</p>																		

5.2 Limiting to a sub-set of the database

<p>To create a database sub-set, use the LIMit command followed by a search statement number. All subsequent searches will be automatically carried out on this sub-set.</p> <ul style="list-style-type: none"> - Sub-set created from a previous search statement - Sub-set created from a search term - Sub-set created from a range of search terms - Sub-set created using Boolean operators 	<p>LIM</p> <p>LIM 3 LIM WATER SAFETY LIM 2002-37/UP LIM /UP 2002-01 : 2002-37 LIM HOECHST/PA AND JP/PN</p>
<p>To return to the complete database</p>	<p>LIM ALL</p>
<p>Note: 1. The LIM command cannot be used in current awareness searches (SDI). 2. Limiting to a zero result search statement is ignored.</p>	

6. SEARCHING

Note: The Questel•Orbit system is by default in SEARCH MODE. Enter search terms directly, i.e. without preceding "s " or "ss".

<p>Correct Entry of Terms wireless application protocol 1 or WAP</p>	<p>Incorrect Entry of Terms s wireless application protocol s s1 or WAP</p>
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6.1 Search Terms

There are several different types of search terms used for searching the Questel•Orbit databases.

- **Single word terms** ("free text"). Any character string containing letters from A to Z and/or numbers from 0 to 9, separated by any form of punctuation (space, hyphen, etc)
 e.g. Index term : **X-RAY**
Except RESERVED TERMS
- **Multi-word phrases** ("phrase indexed"). Any phrase where the component terms are designed to belong together :
 e.g.: Inventor name : **SMITH A P**
See NBR command
- **Dates**. Any date field specifically designed for rangable date searching.
 e.g.: Patent Publication Date : **PD=2000-01-30** (in the format YYYY-MM-DD)
See Date Searching
- **Numeric terms**. Any string of numbers searched as meaningful element in a specific field;
 e.g.: US Patent Classification **70505/PCL**
See Patent Class Searching

6.2 Implied Adjacency

<p>Implied adjacency is available in certain indexes in selected databases. It enables searching without using the W proximity operator. Right-hand and internal truncation can be used with implied adjacency. Left-hand truncation is not available with implied adjacency.</p> <p>Note: If middle or internal word(s) are 3 characters or less, they will be ignored , e.g.: if you have entered : it will be searched as</p> <p>To retrieve 3 char middle word, use: W</p>	<p>AIR BAG FIELD EFFECT TRANSISTOR</p> <p>DESUL??URIS+ CATALYST</p> <p>NON FAT FOOD NON 1W FOOD NON W FAT W FOOD</p>
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6.3 Truncation

<p>Unlimited truncation Limit of 30,000 terms per answer set Limited truncation: - Up to one character (0 or 1 char)</p>	<p>ROBOT+</p> <p>COTTON?</p>
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<ul style="list-style-type: none"> - Up to two characters (0, 1 or 2 chars) - Exactly one character 	ANALYS?? /IC H01#
Right-hand truncation	AMPLIF+ LASER?
Internal truncation (from second character only)	ALUMIN?UM /IN O?HARA M+
Left-hand truncation	+INFLAMMATORY
Using a combination of truncation methods (#, ?,+). Each type may be used up to 3 times within a search term. The limit is 7 term portions and identical truncation symbols.	+CIL??N+
Truncation on single word terms or phrases	SURF+ /IT X?RAY+
Display options: <ul style="list-style-type: none"> - To request the display of variations (see 15.4 for POP and OP options) 	+CONDUCT+/S +CONDUCT+/ALL

6.4 Searching with field qualifiers

To obtain a list of field qualifiers valid for the current database Common Field qualifiers for Patent databases	FLD TI PA IN AP PR AB IC PCL CT CLM MCLM DESC BSUM
Searches the Basic Index (default) <ul style="list-style-type: none"> - Post qualify: searches for the qualified term in the specified index or field - Pre-qualify: searches the whole search statement in the specified index 	ENZYME? LASER/MCLM /PA CIBA AND GEIGY
Several different qualifiers may be used simultaneously: <ul style="list-style-type: none"> - To search several indexes or fields - To display generated terms - To suppress generated terms 	SMITH+/PA/IN SMITH+/IN/S or SMITH+/S/IN SMITH+/IN/ALL or /ALL/IN SMITH+

6.5 Date and numeric field qualifiers

In a single date field, search for year-month-day: <ul style="list-style-type: none"> - A specific year or date - Ranging in selected databases: - Before a specific year - Including and after a specific year - A range of dates (selected databases) Use numeric operators: <, >, <=, >=, =.	PD=2002 APD= 1984-02-10 PD<1982 PRD>=1990 PD=1981-01-01:1988-01-31
Multiple date field , (as in DWPI family PN listing), use Link (L) operator to specify a date with a specific patent authority/country.	/PN US L 2002 /PN 2000 L (JPB2 or USB2 or EPB?)
Single numeric field (not available in all files) <ul style="list-style-type: none"> - 1 family member only - Number of claims - Number of DWGS 	NP=1 NCL>=5 NDG<3
Presence of a field <ul style="list-style-type: none"> - Record with cited patents - Record updated with Abstract 	CT=YES UAB=YES

6.6 Combining Terms (AND, OR, NOT, W, D,...) Use of Parentheses

<p>Logical operators:</p> <ul style="list-style-type: none"> - Records retrieved containing both terms (AND) - Records containing at least one of the terms (OR) - Records containing the first term but not the second (NOT) - Single use of any Boolean or proximity operator with many search terms or search statements - End a long line of entry with a space and hyphen "-" to continue entering more terms in same search statement - Combining search result sets using search Statement numbers 	<p>PLUTONIUM AND ISOTOPE AIR OR TEMPERATURE</p> <p>COLA/MARK NOT CL32 OR CAT,DOG,MOUSE,RABBIT</p> <p>OR CAT,DOG,MOUSE,RABBIT- HAMSTER,GERBIL</p> <p>5 OR 6 1 OR 2 OR 3 1 :3 OR 1,2,3</p>
<p>Proximity operators (separated by spaces or parentheses):</p> <ul style="list-style-type: none"> - W or (W): adjacent terms in order specified - nW or (nW): adjacent terms in order specified, separated by up to n words, where n is from 1 to 9 - =nW or (=nW): exactly n words between search terms - D or (D): adjacent terms in any order - nD or (nD): adjacent terms in any order, separated by up to n words - =nD or (=nD): exactly n words between search terms 	<p>NEW W YORK or NEW (W) YORK FILTER 3W FLOW METAL W METAL 3W BOND</p> <p>/AB LIGHT (=2W) DIODE</p> <p>TOWN? D PLANNING HEAT+ (3D) ELECTRIC??</p> <p>COMPOSITE? (=1D) (FIBRE? OR FIBER?)</p>
<p>Presence of both terms in the same portion of a record. Terms appear in the same:</p> <ul style="list-style-type: none"> - Sentence: S or (S) - Paragraph: P or (P) - Link: L or (L) - Field: F or (F) 	<p>/AB LIQUID S CRYSTAL /PA CIBA P GEIGY /PN JP L 1997 SODIUM F SALT</p>
<p>Presence of the first term in the absence of the second term (negation):</p> <ul style="list-style-type: none"> - Paragraph: NOTP - Linked: NOTL - Sentence: NOTS - Field: NOTF 	<p>/M3 (G100 LK431 LM240) NOTL (H ? OR J ?)</p>
<p>Combining several operators</p> <ul style="list-style-type: none"> - Use parentheses (NESTING) when combining different operators - Up to 5 levels of nesting may be used - Qualifiers may be applied to parentheses - Search terms and search statement numbers may be combined 	<p>(COMPUTER ? OR CALCULATOR) AND IBM/PA OR IBM/CC) WINDSURF+ OR (WIND W (SURF OR SURFING) LASER AND (FR OR GB)/DS 2 AND (P/DT AND CATALYST)</p>

6.7 Searching character strings (STRS)

<p>Default: searches for the specified character string in the Basic Index for all the records in the last search statement with results (max 5000 records)</p> <ul style="list-style-type: none"> - Search in a specific field - Truncation may be included - Operators may be used - Combining several parameters 	<p>STRS CILLIN</p> <p>STRS CILLIN /IT or STRS /IT CILLIN STRS CILL # N STRS CILLIN OR CILLAN STRS SS 3 CILL # N /IT</p>
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6.8 Displaying the number of results

<p>In a single database environment, the number of results in a selected database are automatically displayed. To display the number of occurrences of search terms.</p> <ul style="list-style-type: none"> - In a cluster environment: The total number of results across all databases in the cluster are displayed. <p>Default: detailed results for each database in the cluster are displayed, together with the total number of results</p>	<p>POPAUDIT ON</p> <p>POP DET OFF</p> <p>POP DET ON</p>
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7. MANIPULATING THE SEARCH STRATEGY

<p>Display the fields for the current database with corresponding indexes and type of indexing (single word TEXT, phrase KW, date ODAT, numeric data ONUM, serial number CODE)</p> <ul style="list-style-type: none"> - Display the fields for a previously selected database. 	<p>FLD</p> <p>FLD FROM PLUSPAT</p>
<p>Display the indexes for the current database Display an alphabetical list of terms within an index</p> <ul style="list-style-type: none"> - Surrounding a specific term - Within a specific index <p>If a search finds zero results, type NBR to check nearest terms in relevant index</p> <p>Display the indexes or search terms within an index for a previously selected database or from a database in a Cluster</p>	<p>NBR</p> <p>NBR COLOR NBR /INN JONES Term not in index /IN : XYZ **SS 1 : Results 0</p> <p>NBR /PAN IBM FROM PLUSPAT</p>
<p>Display the search strategy</p> <ul style="list-style-type: none"> - In full - For a specific search statement - For a range of search statements - Without displaying terms generated by truncation or contained in a "Super-term"(*MEM) - From a previously selected database - From all previously selected databases 	<p>HIS HIS 5 HIS 5-8 HIS SH or HIS SHORT</p> <p>HIS 3-5 FROM JAPIO HIS FROM BEGIN</p>
<p>Deleting a search strategy</p> <ul style="list-style-type: none"> - The last search statement - To remove a specific search statement (with all dependent search statements) - Several search statements (with all dependent search statements) - The complete search strategy in the current database - Search statements with zero results - From a previously selected databases - From all databases 	<p>ER or BACKUP ER 3</p> <p>ER 3-6 8</p> <p>ER ALL or ERSLL ER SSZ ER 2 FROM USAPPS ER FROM BEGIN</p>
<p>Keeping search statements</p> <ul style="list-style-type: none"> - A specific search statement (with all dependent search statements) - Several search statements (with all dependent search statements) - Several search statements(with all dependent search statements) from a previously selected database 	<p>KEEP 3</p> <p>KEEP 3-7 9</p> <p>KEEP 2 5 9 FROM PLUSPAT</p>

8. ONLINE DISPLAY

8.1 Single database and cluster environments

- **Single database environment:**
 - The display defaults of the current database.
- **Cluster environment:**
 - The display defaults to all databases in the order the files are listed in the cluster.
 - It is possible to display search results from a previously selected database or from a specific database within a cluster by using the FROM parameter.

8.2 Accessing Images (in selected patent and trademark databases)

- Add the IMG parameter when using the PRT command.
- When using BR or FO display commands, select "I" from the menu
- When using Telnet connection, choose "I" from the Welcome menu

Selecting documents containing images: <ul style="list-style-type: none"> - From the last search statement (default) - From a specific search statement 	IM IM5
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8.3 Number of lines option: POP NL or OP NL command

The number of lines option (POP NL default 24 lines) defined on your UserID determines the number of records displayed. **The default display is the first record only. For a continuous display, specify a range of records.**

8.4 Online display commands

Displaying results System-defined display formats: <ul style="list-style-type: none"> - SC or SCAN (AN, TI) - TR (AN, TI, indexing) - TEST (minimum) - STDR (default) - FULL or FU or MAX - Default: first record in the last search statement in the SIDR format - In a system-defined format - In a user-defined format (see FOrmat) - With specific fields (tailored display) - Combining system-defined format and specific fields - Combining system-defined format and specific fields excluding specified fields from a system defined formats - The first record (most recent) - A specific record - Several records - Entire set of records - Merged family biblio format - Merged family biblio plus abstract - Records in a specific search statement Including images: <ul style="list-style-type: none"> - Default: STDR format plus image - Including images in a system-defined format - In a specific page layout - Print full field tag names in QWEB - From a previously selected database <ul style="list-style-type: none"> - From a specific search statement and from a specific database in a CLUSTER (place FROM and the database name at the end of the command) 	PRT SCAN PRT TR PRT TEST PRT or PRT STDR PRT MAX PRT PRT TEST PRT PAT1 PRT PA PN PR or PRT /PA /PN /PR PRT FULL PLUS XPN XPR PRT MAX MINUS IT PRT PRT 5 PRT 1-6 8 PRT SET PRT MINI PRT MASE PRT SS 7 PRT IMG PRT MAX IMG PRT PSET 3 PRT %PSET% PRT FROM DWPI PRT SS 7 MAX 1-5 8 FROM PLUSPAT
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<p>Use BRowse to display records one by one Default: first record from the last search statement in STDR format</p> <ul style="list-style-type: none"> - In a system-defined format - With specific fields - From a specific search statement - From the 5th record onwards - In a specific page layout - From a previously selected database 	<p>BR</p> <p>BR TEST BR PA PN BR SS 8 BR 5 BR PSET 3 BR FROM EPPATENT</p>
<p>Use FOCus to display records one by one with the surrounding context of the search term(s) Default: first record from the last search statement with three lines around the search term(s)</p> <ul style="list-style-type: none"> - Records in a specific search statement - From the 5th record onwards - With n lines (up to 10) surrounding the term(s) - In a specific page layout - From a previously selected database - combining several parameters <p>Additional Options with FO and BR Display associated image (available in selected databases)</p> <p>Next record (or page in a long record)</p> <ul style="list-style-type: none"> - Next record - Skip forward five records - Previous record - Skip back 3 records - The first record in the set - The last record in the set - Redisplay current record from the beginning - Redisplay a record in the MAX format - Redisplay a record in a different format - Selecting a record and storing in SS 202 <p>End FO or BR command</p>	<p>FO</p> <p>FO SS 2 FO 5 FO NL 6 FO PSET1 FO FROM JAPIO FO 5 NL 6 SS 2 PSET1 FROM JAPIO</p> <p>I M ND M 5 PD PD 3 FD LD B R R STDR K N</p>
<p>KWIC may be used for a continuous display of records with the Key Words In Context. KWIC displays 1 line before and after search term(s). Use KWIC in place of PRT or FO commands. KWIC may be used with free system defined formats(SCAN, TEST)</p> <p>Note: If the default KWIC is used (without Free format) to view bibliographic data with search terms, KWIC will incur STDR rate.</p> <ul style="list-style-type: none"> - With a system-defined format - From a specific search statement - From the 5th record onwards - In a specific page layout <p>Note: While KWIC [free format] is free, if terms are searched on a non-basic index field, such as patent number or patent assignee, and KWIC is used, a charge for displaying that field will be incurred. Using KWIC in the trademark files to display the mark field will also incur a charge.</p>	<p>KWIC TEST KWIC TEST SS 1 KWIC TEST 5-10 KWIC TEST PSET 3</p> <p><i>Example:</i></p> <p>US/PN KWIC TEST</p>

9. SPECIAL DISPLAY OPTIONS FOR PATENT AND LEGAL INFORMATION

9.1 LEGAL Feature

Use the LEGAL option when printing records to display, automatically, corresponding legal records from other databases.

<p>The LEGAL option can be used in any patent database</p> <ul style="list-style-type: none"> - Print selected records in a specific format. - Print the entire set in a specific format. <p>LEGAL Print Options:</p> <ul style="list-style-type: none"> - LEGAL displays from LGST - LEGAL MAXE displays from LGST (English only) - LEGALUS displays from CRXX, LITA - LEGALEP displays from EPPATENT - LEGALIFI displays from CRXX - LEGALERT displays from LITA - LEGALALL displays from LGST, CRXX, LITA - LEGALLCL displays from LGST, CRXX and LITA 	<p>PRT MAX LEGAL PRT 1-10 STDR LEGALALL PRT SET AB LEGALERT</p> <p>PRT SET LEGAL PRT 1 LEGAL MAXE PRT 1-10 LEGALUS PRT LEGALEP PRT LEGALIFI PRT LEGALERT PRT LEGALALL PRT LEGALLCL</p>
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9.2 CITED Feature

*NOTE: This feature is not to be confused with the CITEF, CITB and FAMCITE commands, which provide for automatic searching of citation data. See page 16. The CITED feature is a display option, which extracts Cited data from databases for display with records in a database that maybe lacking in Citation data.

<p>Displaying Corresponding Citations</p> <ul style="list-style-type: none"> - Print selected records in a specific format - Print the entire set in a specific format <p>CITE Print Options:</p> <ul style="list-style-type: none"> - CITEP Displays from EPPATENT - CITPCT Displays from PCTFULL - CITFR Displays from FRPATENT - CITUS Displays from USPAT - CITEPPCT Displays from EPPATENT, PCTFULL - CITALL Displays from EPPATENT, USPAT, PCTFULL, FRPATENT 	<p>PRT 1-5 STDR CITUS PRT SET TEST CITEP</p> <p>PRT CITEP PRT CITPCT PRT CITFR PRT CITUS PRT CITEPPCT PRT CITALL</p>
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9.3 FULL Feature

Full-Text & Full-Claims Display Feature

Add EP, WO and US full-text or claims when displaying in files that do not contain those fields.

When searching biblio databases such as FamPat, DWPI or PlusPat, enhance your displays with full-text and Claims data provided by the following full-text files on Questel•Orbit:

- EPAPAT Full-text of European Applications from 1978 onwards
- PCTFULL Full-text of PCT applications from 1978 onwards (select full-text coverage)
- USPAT Full-text of US patents from 1971 onwards

<p>Full-Text Display Feature</p> <ul style="list-style-type: none"> - FULLEPO Full-text from EPAPAT - FULLWO Full-text from PCTFULL - FULLUS Full-text from USPAT - FULLTEXT Full-text from EPAPAT, PCTFULL & USPAT 	<p>PRT MAX FULLEPO PRT ABST 1-5 FULLWO PRT FULL 1 3 5-8 FULLUS PRT MALL SET FULLTEXT</p>
<p>Full-Claims Display Feature</p> <ul style="list-style-type: none"> - FULLEPO CLMS Claims from EPAPAT - FULLWO CLMS Claims from PCTFULL, FRFULL - FULLUS CLMS Claims from USPAT - FULLCLMS Claims from EPAPAT, USPAT, FRFULL, PCTFULL 	<p>PRT MAX FULLEPO CLMS PRT ABST 1-5 FULLWO CLMS</p> <p>PRT FULL 1 3-5 8 FULLUS CLMS PRT MMAX SET FULLCLMS</p>

9.4 PLUS Feature

When displaying records in a single file, the PLUS command allows you to add field(s) and format(s) from other files to each record displayed. The PLUS command initiates automatic cross-filing of the standardized patent numbers (XPN's) to the designated file(s); retrieval of the requested field(s) and integration of these field(s) below each corresponding document in a continuous display.

<p>Overview of PLUS PRT command followed by :</p> <ul style="list-style-type: none"> - One format name, may be system defined or user defined, but may not be field label. - Enter the record range, or SET - PLUS one field label or one system or user defined format - In parentheses One File Name, - using standard Questel Orbit database name. 	<p>PRT <FORMAT> <N-N or SET> PLUS <FIELD/FORMAT> (FILE NAME)</p> <p>PRT STDR 1-9 PLUS EC (PLUSPAT)</p> <p>PRT BIB SET PLUS CLMS (EPAPAT)</p>
<ul style="list-style-type: none"> - To display multiple fields 	<p>PRT <FORMAT> <N-N or SET> PLUS <FIELD> (FILE NAME) <FIELD> (FILE NAME)</p>
<ul style="list-style-type: none"> - Using PLUS with images 	<ol style="list-style-type: none"> 1. PRT IMG<FORMAT><N-N or SET PLUS FIELD>(FILE NAME) 2. PRT IMG MAX SET PLUS STDR (EPAPAT)

9.5 L Option

Available in FamPat, predefined L Option display formats ABSL, ALLL, BIB, BRFL, DOCL, FABL, MAXL, TABL include Stage Descriptions, Application Details and Filing Details

<ul style="list-style-type: none"> - Stage Descriptions - Application Details - Filing Details 	<pre> 1/1 FAMPAT - (C) QUESTEL-ORBIT- image FAN - 20050750032343 PN - US20050055730 A1 20050310 [US20050055730] STG: Utility Patent Application published on or after January 2,2001 AP : 2004US-0970512 20041021 FD : Divsn. of: US 10094167-20020308[2002US-0094167] PENDING </pre>
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9.6 Detail Display Option

Available in FamPat, the DETAIL option displays the record contents for each family member. The records are grouped by patent family to keep the context, with the first publication stage displayed. For all family equivalent records the Titles, Abstracts, Assignees/Inventors and Classifications will display.

<pre> << Patent family 1 >> 1/1 FAMPAT - (C) QUESTEL-ORBIT- image PN - EP1512863 A2 20050309 [EP1512863] TI - (A2) Method and intake cam for retaining exhaust residuals for emissions reduction in a diesel engine OTI - (A2) Methode und Ansaugnocken zur Zurueckhaltung von Abgasrueckstaenden in einer Brennkraftmaschine - (A2) Méthode et came d'admission pour retenir des résidus de gaz d'échappement dans un moteur à combustion interne AB - A diesel engine intake cam profile creates two intake valve events separated by a short dwell period each engine cycle. A relatively low valve lift during an engine exhaust event allows a portion of the exhaust gas to flow into an intake manifold and mix with intake air. The intake valve is then nearly closed for a dwell period until a normal intake valve opening occurs, drawing the mixture of air and exhaust gas back into the combustion chamber for compression and burning, upon closure of the intake valves. AP - EP04017671 20040726 [2004EP-0017671] PR - US65697603 20030905 [2003US-0656976] IN - (A2) GOETZKE MICHAEL B (US); POOLA RAMESH B (US); GOTTEMOLLER PAUL (US) PA - (A2) GEN MOTORS CORP (US) PA0 - General Motors Corporation; 300 Renaissance Center; Detroit, Michigan 48265-3000 (US) 1/1 FAMPAT - (C) QUESTEL-ORBIT- image PN - US20050050882 A1 20050310 [US20050050882] TI - (A1) Method and intake cam for retaining exhaust residuals for </pre>
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emissions reduction in a diesel engine

AB - A diesel engine intake cam profile creates two intake valve events separated by a short dwell period each engine cycle. A relatively low valve lift during an engine exhaust event allows a portion of the exhaust gas to flow into an intake manifold and mix with intake air. The intake valve is then nearly closed for a dwell period until a normal intake valve opening occurs, drawing the mixture of air and exhaust gas back into the combustion chamber for compression and burning, upon closure of the intake valves.

AP - US912018 20040805 [2004US-0912018]
 FD - Divsn. of: US 10656976 - 20030905 [2003US-0656976] PENDING
 PR - US912018 20040805 [2004US-0912018]
 IN - (A1) Goetzke Michael B (US); Gottemoller Paul (US); Poola Ramesh B (US)

PA - (A1) GENERAL MOTORS CORPORATION, (US)
 PA0 - GENERAL MOTORS CORPORATION, [US]
 1/1 FAMPAT - (C) QUESTEL-ORBIT- image
 PN - US20050050880 A1 20050310 [US20050050880]
 TI - (A1) Method and intake cam for retaining exhaust residuals for emissions reduction in a diesel engine

AB - A diesel engine intake cam profile creates two intake valve events separated by a short dwell period each engine cycle. A relatively low valve lift during an engine exhaust event allows a portion of the exhaust gas to flow into an intake manifold and mix with intake air. The intake valve is then nearly closed for a dwell period until a normal intake valve opening occurs, drawing the mixture of air and exhaust gas back into the combustion chamber for compression and burning, upon closure of the intake valves.

AP - US656976 20030905 [2003US-0656976]
 PR - US656976 20030905 [2003US-0656976]
 IN - (A1) Goetzke Michael B (US); Gottemoller Paul (US); Poola Ramesh B (US)

9.7 Extended Family Searching

Extended family searching is conducted in the following patent databases: FAMPAT, PLUSPAT, INPD, DWPI, DWPX, WPAM and WPAMNS. Extended family searching can be done with a publication, application or priority number. Questel•Orbit has standardized these numbers so they may be searched within any of the above listed databases.

Syntax: FAM CCNNNNNNNnnnn/PN Publication Number
 FAM YYYYCC-NNNNNNN/AP Application Number
 FAM YYYYCC-NNNNNNN/PR Priority Number

CC 2 Character Country Code
 YYYY 4 Digit Year
 NNNNNNNnnnn 7 to 11 Digit Numbers (If the number is less than 7 digits back-fill with zeros)

Searching:	
- With the publication number	FAM EP---160/PN
- With the application number	FAM 1997EP-0100811/AP
- With the priority number	FAM 1997DE-1020719/PR

9.8 The FAMSTAT Print Command in the FamPat, Inpadoc (INPD) & PlusPat Databases

Use the FAMSTAT print command after the extended patent family (FAM) command to display, automatically, extended patent family records from FAMPAT, INPADOC (INPD) or PLUSPAT and their corresponding LGST (Legal Status) records.

Issue the FAMSTAT command immediately after the FAM command in FAMPAT, INPD or PlusPat to display corresponding legal records from LGST.	
Records can be displayed in various ways.	
- FAMPAT, INPD, PLUSPAT extended family records integrated with LGST records	FAMSTAT
- FAMPAT, INPD PLUSPAT extended family records integrated with LGST records (ENG only descriptions)	FAMSTATE or FAMSTAT MAXE
- All INPD/PLUSPAT extended patent family	FAMLIST

<ul style="list-style-type: none"> records displayed first, followed by all LGST records - All INPD/PLUSPAT extended patent family records displayed first, followed by LGST records. (ENG only action descriptions) - The Inpadoc extended family, without Legal Status 	<p>FAMLISTE</p> <p>FAMINPD</p>
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9.9 The MFAMSTAT Command in the FamPat & PlusPat Databases

<p>Issue the MFAMSTAT command immediately after the FAM command in the FamPat or PlusPat databases. Displays merged extended family data, abstract with legal status in one integrated record.</p> <ul style="list-style-type: none"> - The FamPat or Pluspat extended family, with LGST data - The FamPat or PlusPat extended family, with LGST data (English actions only) 	<p>MFAMSTAT</p> <p>MFAMSTATE or MFAMSTAT MAXE</p>
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9.10 Merged Family Display Command in the FAMPAT or PlusPat Databases

The Merged Family Print Command allows integration of all individual extended family member records into one virtual family display. ***NOTE: Limit is 1000 records.**

<p>First use the FAM SS command on a result set to retrieve, automatically, all individual extended family members for that set.</p> <p>Use a Merged Format in the PRT Command :</p> <ul style="list-style-type: none"> - Extended family members and bibliographic data for full set of results - Extended family members and Class, Citation & abstract for the first 3 records 	<p>FAM SS 3</p> <p>PRT MINI SET</p> <p>PRT MMAX 1-3</p>
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9.11 Creating a Database Cluster

Up to 40 databases per cluster and up to 12 user defined clusters may be created per Questel•Orbit UserID.

<ul style="list-style-type: none"> - To create a user-defined cluster with name PAT1 - To obtain a list of databases which form a cluster - To select a cluster - To delete a user-defined cluster 	<p>CL PAT1 DWPI EPPATENT JAPIO</p> <p>CL PAT1</p> <p>FI CL PATENTS [or] FI PATENTS (OMIT CL)</p> <p>CL ER PAT1</p>
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9.12 Grouping and Deduping Results

Records from a result set can be arranged to display in patent groups. Patent groups are records from a set that are grouped together because they describe the same invention. Groups can contain duplicate or related records. Related records are those that contain and share the same priority data, but contain additional patent numbers.

<p>Grouping Results</p> <ul style="list-style-type: none"> - Use the ID command to group records <p>Reordering Files</p> <ul style="list-style-type: none"> - Use the ID command followed by the database names in preferred order to reorder files in the cluster if necessary <p>Redisplaying Patent Grouping Statistics</p> <ul style="list-style-type: none"> - To redisplay the results of previous patent grouping command to see group count, number of duplicates and single records. 	<p>ID</p> <p>ID DWPI EPPATENT INPD PCTFULL</p> <p>ID STAT</p>
<p>Displaying Records</p> <ul style="list-style-type: none"> - Specific records with group numbers (x-y are records) - All records - Only the first record in each group - All records other than duplicates - Duplicate records only - Groups containing more than one record - Groups containing only one record 	<p>PRT PATGR 1-4</p> <p>PRT PATGR SET</p> <p>PRT PATGR FIRST</p> <p>PRT PATGR NODUP</p> <p>PRT PATGR DUPLI</p> <p>PRT PATGR MATCH</p> <p>PRT PATGR SINGLE</p>
<p>Displaying Groups</p>	

<ul style="list-style-type: none"> - Specific groups (x-y are groups) - All groups - First record in each group - All records except duplicates - Duplicate records only - Groups containing more than one record - Single record groups 	PRT GR 1-3 PRT GR SET PRT GR SET FIRST PRT GR SET NODUP PRT GR SET DUP PRT GR SET MATCH PRT GR SET SINGLE
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9.13 MPUB

The MPUB command gathers all stages of publication of the same patent and integrates, into one merged record, the publication stages of each invention. Available in DEPAT.

<p>To create a merged record with the known publication, application or priority number:</p> <ul style="list-style-type: none"> - Publication Number: MPUB DENNNNNNN[N]/PN - Application Number: MPUB YYYYCC-NNNNNNN/AP - Priority Number : MPUB YYYYCC-NNNNNNN/PR <p>Note: XPN, XAP and XPR fields may also be searched with MPUB as long as the Questel•Orbit standardized format is used.</p> <p>To create a merged record based on a set of documents:</p> <ul style="list-style-type: none"> - When searching with assignee or inventor names, keywords or classes, the results set (SS) may contain more than one record per invention. - The MPUB command may be used with a set of results. - Use the HIS command to determine the SS number. <p>Note: There is a limit of 1000 results per SS</p> <p>To display MPUB records :</p> <ul style="list-style-type: none"> MPS displays the SDTR format plus the CT field. MPMX displays the MAX format minus the IDT, BC and UP fields 	<p>MPUB DE4210167/PN</p> <p>MPUB 1994DE-4423677/AP</p> <p>MPUB 1998US-0111106/PR</p> <p>MPUB SS 1</p> <p>PRT MPS PRT MPMX</p>
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9.14 CITF & CITB

CITF runs a forward citation search on a set of records. CITB runs a backward citation search on a set of records. The commands are available in the following files: EPPATENT, FAMPAT, FRPATENT, PCTFULL, USPAT, DEPAT & PLUSPAT.

<p>The CITF command is used with a set of results</p> <ul style="list-style-type: none"> - 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. <p>Note: The maximum initial set size for the CITF command is 1000 results per SS.</p> <p>The CITB command is used with a set of results</p> <ul style="list-style-type: none"> - The CITB command 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. <p>Note: The maximum initial set size for the CITB command is 1000 results per SS.</p>	<p>CITF SS 1</p> <p>CITB SS 1</p>
<ul style="list-style-type: none"> - When searching in Cluster mode, you may use these commands by entering the FROM parameter followed by the name of one of the databases in the cluster. 	<p>CITF SS 1 FROM EPPATENT</p>

9.15 FAMCITE

The FAMCITE command is available in the FamPat and PlusPat files, which have citations for US, EP, FR, GB, and WO publications

FAMCITE creates a citation report for a patent family. After conducting a family search for a single patent family, you can display a complete citation report with the FAMCITE command. The report displays 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)
- **Display with images by adding the parameter IMG**

FAMCITE

FAMCITE IMG

10. EXPORT - OFFLINE PRINTING

10.1 Email or Postal Mail Delivery

Exported Results are available from a single database environment. The default delivery is post.

- Email default: documents resulting from the last search statement in MAX format (limited to 1000 documents per order.
- Each export is given a PR number.
- Email subject line will contain title and number of records.
- Email body will contain links to zipped and unzipped results. Links will be active for 30 days.
- Offline prints are processed every 30 minutes.
- An email address must be stored on your ID before using the email export option

To order email delivery:

Use the SET EMAIL command:

- Post default: all records to a maximum of 5000 from the last search statement in Max format mailed to the stored permanent address.
- A permanent postal address must be stored on your ID before using the export option.

To order postal mail delivery of exported prints:

Use the AD command. After the command is entered, the system prompts you to enter the mailing address

SET EMAIL

E-Mail address :

CLIENT@COMPANY.COM

Change of E-Mail address : YES/NO

AD

PERMANENT ADDRESS

MYCOMPANY INC

TECHNICAL LIBRARY

JANE E. SMITH

123 MAIN ST

ANYWHEREVILLE, NY 11000

UNITED STATES OF AMERICA

Change this address: Y / N

Y

Enter your postal address under the following Seven headings :

1 Organization;2 Dept;3 Name;4 Street; 5 Optional Info;6 Postal / Zip Code, City & Province / State;7 Country

Easy Method – Menu Prompted

<ul style="list-style-type: none"> - Select a database & Create a Strategy - Enter EXPORT and follow the menu prompts - Enter Search Statement from which to export - Enter Delivery Type (default is post) - Multiple email addresses may be added (up to 6) - Select the type of output, RTF, PDF, XML or TXT (TXT will not support images) - Display format (default is MAX) - Include drawings (where available) - Enter a title - 3 lines max, up to 60 characters per line. The title will appear in the subject line of your email. - Select a Page Style (PSET) - Sort the results (up to 3 fields) - Confirm the order <p>Note: You must cancel immediately, or the request will be processed.</p> <ul style="list-style-type: none"> - Each export order is given a PR number starting with PR1. PR numbers are started anew each day for the user, beginning again with PR1. 	<p>File : PLUSPAT SS Results 1 988 /PA DYSON+ EXPORT Enter the search statement number to be used for print: (Pressing "Enter" will default to the last SS with results) 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 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)</p> <p>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) Print images ? : Yes / No</p> <p>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)</p> <p>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 (PlusPat only) 11 - PatReader (Available on selected databases)</p> <p>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)</p> <p>Offline print of results in SS: 1 Number of documents: 988 Confirm: Y / N ?Y Print number: PR1</p>
<p>Cancelling [Erasing] an Export request: Export requests are processed every thirty minutes. To cancel an export, you must do so immediately to avoid the export processing before the receipt of the ERase request. Use the ER or ERASE command with the relevant PR number</p>	<p>ER PR1 Cancel PR1 Confirm: Y / N Y</p>
<p>Exporting Results – Expert Mode Offline prints are</p>	

<p>available from a single database environment</p> <ul style="list-style-type: none"> - To combine EXPORT parameters separate them with ; (semi-colon). If you do not want to use an option, simply omit it from the parameter syntax. - Emailing to an address that is not the stored email address <p>Note: SET indicates the email address, not the range of records. SET must be last in the parameter syntax.</p> <ul style="list-style-type: none"> - To specify a PSET (Page Style) in the EXPORT <p>Note: Not all pages styles are available for every database</p> <ul style="list-style-type: none"> - To give the EXPORT a title - To receive EXPORTs in RTF, PDF or XML format <p>Note: The default file format is TXT</p> <ul style="list-style-type: none"> - To EXPORT in a specified format <p>Note: The default format is MAX</p> <ul style="list-style-type: none"> - To include images in EXPORT <p>Note: You must request RTF, PDF or XML if you request images.</p> <ul style="list-style-type: none"> - To sort EXPORT results <p>Note: Up to three fields may be sorted.</p>	<p>EXPORT <N-N> <EMAIL> <DELIVERY FORMAT> <PSET #>;<DISPLAY FORMAT> ; TI <TITLE>LINE 1! LINE2!LINE 3; <SO>/<FIELD>; EXPORT <N-N> EMAIL; SET</p> <p>EXPORT <N-N> EMAIL <DELIVERY FORMAT> <PSET N></p> <p>EXPORT <N-N> EMAIL; TI <TITLE> EXPORT <N-N> EMAIL RTF or PDF or XML</p> <p>EXPORT <N-N> EMAIL; PR <FORMAT></p> <p>EXPORT <N-N> EMAIL RTF; PR IMG</p> <p>EXPORT <N-N>; SORT /<FIELD></p>
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11. MANIPULATING SEARCH RESULTS

11.1 Relevancy Ranking of Search Results

<p>Display search results in order of relevance in descending order of occurrence. Search results are stored in search statement 203 for display purposes.</p> <ul style="list-style-type: none"> - Ranking results from specific search statement - Ranking results from a previously selected database. <p>Note: The maximum set size is 5000 records. The FROM parameter must be used in a cluster.</p>	<p>RK</p> <p>RK SS 5 RK SS 2 FROM DWPI</p>
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11.2 Online sorting

<p>Sorted records are placed in SS 203 for displaying, printing offline or cross-file searching purposes (MEM). Sorted records cannot be used for further direct searching.</p> <ul style="list-style-type: none"> - Sort by a specific field (default up to 5000 approx) - Sort by a specific search statement (default: last search statement) - Sort specific result only - Sort terms at a specific position in a field using parameters and position number: e.g. PRG 1 RK 4 (default: 1st term in field) - Sort terms in a specific subfield for dates or numeric data. (default: 1st subfield) - Sorting on number of characters (default: alpha text=20 chars, dates=10 chars, numeric data=16 chars). - Default direction of sorting : ascending (+) for text, descending (-) for dates and numeric data - Sort on up to 3 fields simultaneously (maximum total length of sort key is 100 characters). - Sort from a previously selected database. The FROM parameter must be used in a Cluster - Combining several parameters 	<p>SORT /IN SORT SS 3 /IN</p> <p>SORT 1-50 /PAN SORT /PAN RK 2 (Full Name of Applicant)</p> <p>SORT /PN PRG 1 RK 4 (Derwent Week of Basic Patent)</p> <p>SORT /PD 4 SORT /PN 2</p> <p>SORT /PD +10 SORT /NP -16 SORT /MARK/CL/DDP</p> <p>SORT /INN FROM PCTFULL</p> <p>SORT 12-50 SS 7 /DC /PAN RK 2 /PN</p>
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11.3 User-defined display formats

<ul style="list-style-type: none"> - List pre-defined and user-defined formats - List user-defined formats only - Create a user-defined format PAT1 comprising specific fields maximum of 40 fields per user format, each format name may be up to 4 characters - Display records in user-defined format - Search in fields specified in user-defined format - Delete a user-defined format <p>Note: User-defined formats are saved per ID. The formats are independent of database choice. Each ID may have up to 30 User defined formats.</p>	<p>FOR FOR US FOR PAT1 AN TI PA AB</p> <p>PRT PAT1 1-2 SS 3 BICYCLE /PAT1 ER FOR PAT1</p>
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11.4 Page layout options

<ul style="list-style-type: none"> - Display user-defined page layout settings. <p>To create a user-defined page layout</p> <ul style="list-style-type: none"> - Number (this option must be set ; choose from 1-30) - Left margin (default: 0 character) - Right margin (default: 0 character) - Indentation* (default 6 chars, max 20) - Field name, length of name and characters displayed** after the name(default: 4 "-" if FLDN is used, nothing if it is not used) - Title of field in full - Fixed length followed by characters in quotes - Variable length followed by characters in quotes - Variable length on a separate line from field text - number of blank lines between documents (default 1 line); for offline prints only, a new page for each document - Number of blank lines between two fields (default 0 line) - Empty fields not displayed (default) - Empty fields displayed as characters** - Combining several parameters (to print indented text with full field labels) - Full indented format <ul style="list-style-type: none"> - To display records with a user-defined page layout 	<p>PSET</p> <p>NUMB 1</p> <p>LMG 4 RMG 8 LMC 6 FLDN 2 "-"</p> <p>FLDT FLDT 18 "-" FLDT VAR ":" FLDT PRG "-"</p> <p>DOC 2</p> <p>DOC NPG FLD 2 FLDE "" FLDE "-\$-" PSET NUMB 2 FLDT 18"-LMC20 PSET NUMB 3 LMC 20 FLDT 19 "-" PRT PSET</p>
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*Use the appropriate number with LMC to indent the second and successive lines of each paragraph from the left hand margin.

**Characters displayed: 0-4 characters excluding " and ;

12. CROSS-FILE SEARCHING

12.1 Extracting terms and saving in memory

4 system-named memory lists are available: MEM1, MEM2, MEM3 and MEM4. Up to 150 user named memory lists can be created. With the MEM command, use the XPN qualifier for patent/publication numbers, XPR for priority numbers, XAP for application numbers and XCT for citation numbers.

<p>Maximum number of terms is 100,000 per memory list</p> <p>Extracting terms from a specific field and storing in the default memory list (MEM1) As a default, the MEM command extracts every term from the specified field from all records in the last search statement with results.</p> <ul style="list-style-type: none"> - To extract terms from a specific search statement. 	<p>MEM /XPN</p> <p>MEM SS 1 /XPN</p>
--	--

<ul style="list-style-type: none"> - To extract terms from a range of records. - To extract terms from a previously selected database. - To extract terms to a user-named list. Named lists can be up to 12 alphanumeric characters long and must begin with an alpha character. Named lists are automatically saved for 7 days without charge. - De-dup the extracted terms <p>Note: With each MEM command, terms are added to a list (existing terms are not overwritten).</p>	<p>MEM 1-100 SS 2 /XPN MEM /XPN FROM INPD</p> <p>MEM MYLIST /XPR</p> <p>MEM IPG NODUPS /XPN</p>
<p>Extraction from different parts of a field:</p> <ul style="list-style-type: none"> - Every term from a specific paragraph - Every term from a specific sentence (of a paragraph) - Every nth term (in any PRG or SEN) or sub-field (date or numerical data) - Last item (PRG, SEN, RK) - Earliest Publication in FamPat Records - Combining parameters 	<p>MEM /PNB PRG 1 (Basic Patent Data) MEM /XPR SEN 1 (First Priority)</p> <p>MEM /PAN RK 1 (Company Code) MEM /PC "FE" MEM /XPN PRG * (Most Recent Patent) MEM /PN PRG 1 RK * (First Patent in FamPat Record) MEM /XPN PRG 1 RK 1 (Basic Patent Number)</p>
<p>Extraction and selection of terms:</p> <ul style="list-style-type: none"> - Including specific characters - Excluding specific characters (maximum of 4) 	<p>MEM /XPR WITH "US " (Extract US Priority Numbers Only) MEM /XPN NOT "JP" (Japanese Patents are not Extracted)</p>
<p>Extraction of portions of a term:</p> <ul style="list-style-type: none"> - To a specific length - Up to a specific character - An embedded character string 	<p>MEM /IC LG 8 MEM /IC BO "/" MEM /XPR BO 3-4 (Priority Country Codes)</p>
<p>Extraction is possible from up to 4 fields simultaneously.</p>	<p>MEM /XPN WITH "US " /XPN WITH "EP"/CT WITH "US"/CT WITH "EP"</p>
<p>Specifying an alternative system memory list (Default MEM1)</p> <p>Specifying a named memory list Named lists are automatically saved for 7 days</p>	<p>MEM MEM3 /XPN</p> <p>MEM MYLIST /XPN</p>
<p>STORE a named MEM list</p> <ul style="list-style-type: none"> - Permanently save a named MEM list. <p>A stored MEM list is charged at the same rate as a stored search. See the Questel•Orbit Price List .</p>	<p>MEM MYLIST STORE /XPN</p>
<p>Combining several parameters</p>	<p>MEM MEM3 200-300 /XPN WITH "FR" FROM INPD</p>

12.2 Managing memory lists

<p>Display MEM list (default MEM1):</p> <ul style="list-style-type: none"> - First 15 terms, then next 15, ... - Continuous display of all terms - Continuous display of specified terms - An alternative system-named list - Display terms on a named list - Display listing of all MEM lists 	<p>PRT MEM PRT MEM NONSTOP PRT MEM 12-30 50-60 NONSTOP PRT MEM3 PRT MEM MYLIST HIS MEM</p>
<p>Delete terms from a MEM list:</p> <ul style="list-style-type: none"> - All terms - A named list - Specified terms - Terms including specific characters, 4 maximum - Terms excluding specific characters , 4 maximum - All terms from an alternative memory list - Combining parameters 	<p>ER MEM ER MEM MYLIST ER MEM 1-10 ER MEM WITH "US" ER MEM NOT "FR" ER MEM3 ER MEM 1-10 WITH "US"</p>

Keep terms in MEM list: <ul style="list-style-type: none"> - Specified terms - Terms including specific characters, 4 maximum - Terms excluding specific characters, 4 maximum 	KEEP MEM 1-10 KEEP MEM WITH "EP" KEEP MEM NOT "FR"
Limiting terms kept on MEM list: <ul style="list-style-type: none"> - To a specific length - Up to a specific character - With a specified character string - Combining parameters 	KEEP MEM LG 8 KEEP MEM BO "/" KEEP MEM BO 3-4 KEEP MEM 1-10 NOT "C07G" LG8
Storing a Named MEM list MEM Lists can be permanently STOREd <ul style="list-style-type: none"> - Temporary save – default - Permanent store 	MEM IPG /XPN MEM IPG STORE /XPN

12.3 Searching MEM terms (*MEM super-term)

Search terms on MEM list Default: all terms in MEM1 <ul style="list-style-type: none"> - In Basic Index - In specified field(s) or index(es) - From a named listed - Without display of terms - With display of terms - Specific terms of range of terms (record numbers before field qualifier) - As a super-term with other search term 	*MEM *MEM /XPN *MEM MYLIST/XPN *MEM /XPN/ALL *MEM /XPN /S *MEM 1-10 20-32 /XPN *MEM 1-10 /XPN AND HOECHST/PA
--	---

12.4 Using the SEL command

The SEL command is used to search the MEM terms. SEL creates a search set with the extracted and searched MEM terms. The SEL command displays all the terms with 0 or multiple postings when AUDIT is on.

Search all terms in the MEM1 list	SEL MEM1 /XPN
--	----------------------

13. ONLINE STATISTICAL ANALYSIS

13.1 Extracting terms and ranking in a memory list

4 system-named memory lists are available: MEM1, MEM2, MEM3 and MEM4. Up to 150 user named memory lists can be created. With the MEMS command, use the XPN qualifier for patent/publication numbers, XPR for priority numbers, XAP for application numbers and XCT for patent citations.

Maximum number of terms = 100,000 per memory Extract terms from a specific field. Terms are sorted and stored in default memory list MEM2. The MEMS command defaults to processing terms from a subset of 50 records, from the last search statement with results. Terms are ranked by descending order of frequency. Each MEMS command overwrites the previous MEMS list. Use the named list option when creating multiple MEMS lists. Named lists are automatically saved for 7 days at no charge. <ul style="list-style-type: none"> - From a specific search statement - From a range of records - From the entire set - From a previously selected database - To a named list. Named lists maybe up to 12 alphanumeric characters long and must begin with an alpha character Limit display: <ul style="list-style-type: none"> - To values with occurrences greater than n - To first n values, by frequency - Rank terms alpha (A-Z) or numerically (0-9) - Rank terms by descending order of occurrence, all terms counted regardless of duplicates 	MEMS /DC MEMS SS 3 /DS MEMS 1-100 /IC MEMS SET /IC MEMS 1-100 /PAN FROM EPPATENT MEMS OIL SET /XPR MEMS GT 20 /PA MEMS TOP 10 /PA MEMS ALPHA /INN MEMS OCC 1 /AB
--	---

Extraction from specific parts of a field <ul style="list-style-type: none"> - Every term from a specific paragraph - Every term from a specific sentence (of a paragraph) - Every term of last item (PRG, SEN, RK) - Every nth term (in any PRG or SEN) or sub-field (date or numerical data) 	MEMS 1 /AB PRG 1 MEMS 1-100 /PR SEN 1 MEMS 1-150 /AF SEN* MEMS 1-200 /PAN RK 1 MEMS 1-250 /PC "O"
Extraction and selection of terms <ul style="list-style-type: none"> - Including specific characters - Excluding specific characters (maximum of 4) 	MEMS /XPR WITH "-" MEMS /CT NOT "PUB" (Excludes Non-Patents)
Extraction of portions of a term <ul style="list-style-type: none"> - To a specific length - Up to a specific character - An embedded character string 	MEMS /DC LG 3 MEMS /IC BO "-" MEMS /XPR BO 3-4 (Priority Country Codes)
Extraction is possible from up to 4 fields simultaneously	MEMS /PN RK 1 LG 2 /DS /PAN
Specifying an alternative memory list-default MEM2	MEMS MEM3 /IC
Combining several parameters	MEMS MEM3 200-300 /EC WITH "E02F" FROM PLUSPAT

13.2 Displaying terms in a memory list

Display MEMS list (default MEM2) <ul style="list-style-type: none"> - First 15 terms, then next 15, etc - Continuous display of all terms - Continuous display of specified terms - Display an alternative memory list - Display a named list 	PRT MEMS PRT MEMS NONSTOP PRT MEMS 1-100 NONSTOP PRT MEM3 PRT MEMS OIL
Display Statistical Ranking of Memory List	PRT MEMS STAT

13.3 Searching Terms from a Sorted Memory List (*MEMS Super-Term)

Search terms from a MEMS list (default: all terms in MEM2) <ul style="list-style-type: none"> - In Basic Index - In specified field(s) or index(es) 	*MEMS or *MEM2 *MEMS /PA
Specific terms or range of terms (input record number before field qualifier) <ul style="list-style-type: none"> - A named list - Without display of terms - With display of terms - As a super search term with other search terms Note: Limit of 2000 characters per search statement equals approximately 150 search terms	*MEMS 1-5 /INN *MEMS SOAP /PAN *MEMS 1-10 /DC/ALL *MEMS 1-20 /PAN/S *MEMS 1-3/DC AND (CH S 1983) /PN
Commands for use with truncation and Super-terms (*MEM, *MEMS, *MDARC) <ul style="list-style-type: none"> - To request the display of variations - To search for all variations of a truncated term without display 	HEAT+/S *MEM 1-15/S HEAT+/ALL *MEM /ALL

13.4 Statistical Analysis with GET macro

Statistical Analysis on Questel•Orbit can be carried out using either the MEMSORT (MEMS) command or one of the GET macros.

Using GET: Enter GET followed by the field label of the data to be analyzed.

To analyze fields other than those listed below, use the Questel•Orbit MEMS command.

Assignee, Inventor

- Patent Assignee
- Company Code
- Inventor

Countries

- Publication Country
- Priority Country
- Application Country

Dates

- Publication Date
- Priority Date
- Application Date

Classification

- International Patent Classification (IPC)
- Main IPC
- European Classification
- US Classification

GET PA or GET PAN
GET CC
GET IN or GET INN

GET PC
GET PRC
GET APC

GET PD
GET PRD
GET APD

GET IPC
GET MIPC
GET EC
GET PCL

14. SAVED SEARCHES AND SDIS

14.1 Temporary saved search

Automatically saved sessions (includes search strategy and MEM/MEMS lists)

- By default search statements are retained during a session in each file searched
- Searches are automatically retained for 2 hours after logging off
- When reconnecting to the system, answer "Y" to be reconnected to the last database searched
- When changing from one database to another, statements are automatically retained in previous file searched
- Re-execute search if required
- Re-execute specified statements

Temporary saved search (A SAVED search)

A search can be saved for 7 days free of charge.

- Execute a named search.
- Display list of all saved and stored searches.
- Display strategy of a saved or stored search

ST

Continue the search in Questel Orbit (Y/N) ?

?Y

FI DWPI

FI DWPI;EX FROM IFIPAT
FI DWPI;EX 1-2 FROM IFIPAT

SAVE DIGITAL
EX DIGITAL
SHO
SHO DIGITAL

14.2 Permanently Saved Search (a STORED search)

<ul style="list-style-type: none"> - Enter a name for the search: maximum of 8 characters including at least one letter, no special characters. - From a previously selected database - List all saved searches - Display complete search strategy - of one saved search - Delete a saved search - Re-run a saved search - In full - In part (search statements are automatically re-numbered) - Commands may be stacked with ; to combine searches into one strategy <p>Note: Use of the FROM parameter is required in a cluster environment.</p>	<p>STORE REP1</p> <p>STORE REP2 FROM DWPI</p> <p>SHO</p> <p>SHO REP1</p> <p>PURGE REP1</p> <p>EX REP1</p> <p>EX REP1 3 5-8</p> <p>EX REP1;EX REP2</p>
---	---

14.3 SDIs or ALERTS

<p>Creating a SDI (the saved search runs with a predefined frequency, results are delivered in STDR format)</p> <p>Easy Mode – Step-by step menu prompts :</p> <ul style="list-style-type: none"> - Select a database & Create a Strategy - Enter SDI and follow the menu prompts - Enter the SDI name , max 8 alphanumeric characters only, and confirm - Survey Fields are the update codes which determine the SDI delivery frequency and/or the data searched, Basic, Indexing, Abstracts, Class or Citations - You may elect to run the SDI in more than one database (up to 40) - Default is Post, if email is selected, multiple email addresses may be added (up to 6) - Select the type of output (TXT will not support images) - Display format (default is MAX) - Include drawings (where available) - Chose the page style (layout) : - Full Field Names/Field Tags, with or without page breaks - Sort the results (up to 3 fields) - Assign a subaccount 	<p>See also QWEB - SDI Assistant</p> <p>Top Menu Bar – Help & Services - Alerts</p> <p>FI PLUSPAT</p> <p>/PA CISCO</p> <p>SDI</p> <p>Profile Name ?</p> <p>SCAN1</p> <p>Confirm Profile Name (Yes/No) ? CISCO</p> <p>Survey field(s) ?: (eg UP UE)</p> <p>Set up SDI in another file ?: Yes/No</p> <p>Delivery Type ? enter mail/postal or email</p> <p>Email address :up to 6 addresses, each on separate line</p> <p>Delivery Format (TXT or RTF or PDF or XML) :</p> <p>Display Format :</p> <p>Print Images ?: Yes/No</p> <p>Page Styles :</p> <p>Sort results by field(s) : (eg. /PA)</p> <p>Subaccount :</p>
---	--

14.4 Selecting the SDI Look

<p>You may control the look of SDIs by Display formats, Delivery formats and Page Style formats</p> <p>Display Formats:</p> <ul style="list-style-type: none"> - System defined formats: - User defined formats - Custom formats - Display Add-on Options 	<p>STDR BIB ABST MAX FULL MINI MABS FOR MYSDI PN PA AB IMG TI PA PN AB IMG LEGAL FULLCLMS FULLTEXT CITALL</p>
<p>Delivery Formats and Page Styles</p> <p>PDF - Portable Document Format</p> <ul style="list-style-type: none"> - Easy to display and print w/ Adobe Acrobat - Text and images <p>RTF - Rich Text Format</p> <ul style="list-style-type: none"> - Easy to open and edit with MS Word - Text and images <p>TXT - Text Format</p> <ul style="list-style-type: none"> - Easy to open and edit with basic WP program - Text only <p>XML - Extensible Markup Language</p> <ul style="list-style-type: none"> - Flexible style sheet presentation - Text and images 	<p>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 - Patent Examiner (PlusPat only) 11 - PatReader (Available on selected databases)</p>
<p>Using Plus Features in SDIs. Enrich your SDI displays by adding field(s) or format(s) from other patent files.</p> <ul style="list-style-type: none"> - To use PLUS in SDIs, at the display / print option 	<p><FORMAT > PLUS <FLD / FORMAT > (file name)</p>

14.5 SDI sent by Internet email

<p>Emailed SDIs will include the title and number of records in the subject line. Links to the results, in zipped and unzipped formats will be contained in the body of the email and will be kept on the Questel Orbit server for 30 days.</p> <p>To receive:</p> <ul style="list-style-type: none"> - First set up an Internet address with the SET EMAIL command. - After the command is entered, you will be prompted to enter the email address. <p>To order:</p> <ul style="list-style-type: none"> - All the default options available with SDIs - You can receive the documents in TXT, (ASCII), RTF (Rich Text Format) XML or PDF(Portable Document Format) with accents, special characters (files are encoded using the UUencode application) <ul style="list-style-type: none"> - To receive images, include the RTF, PDF or XML 	<p>SET EMAIL</p> <p>CLIENT@CORPORATION.COM</p> <p>SDI SCAN1 EMAIL SDI SCAN1 EMAIL TXT SDI SCAN1 EMAIL PDF SDI SCAN1 EMAIL XML SDI SCAN1 EMAIL PDF</p> <p>SDI SCAN1 EMAIL RTF;PR IMG SDI SCAN1 EMAIL XML;PR IMG SDI SCAN1 EMAIL PDF;PR IMG</p>
---	---

14.6 Easy SDI Management

<ul style="list-style-type: none"> - To see list of profile names on an UserID, enter : - To display a profile, enter: - Profile : - SDI defined in following file(s) : - "PRINT" sub-command - "TITLE" sub-command - Subaccount - Delivery mode : - Send to : - File Format : - Page Style : 	<pre> SHOSDI SHOSDI <profile name> shosdi cisco CISCO 2002/10/09 1 - /PA CISCO DWPI (UP) ABST CISCO PATENT CHECK REQUESTOR : CLIENT - TECHNICAL LIBRARY OCT2002 EMAIL CLIENTTECHLIB@MYCOMPANY.COM CLIENT1@MYCOMPANY.COM CLIENT2@MYCOMPANY.COM CLIENT3@MYCOMPANY.COM CLIENT4@MYCOMPANY.COM CLIENT5@MYCOMPANY.COM PDF 4 - Full Field Names, Indented Text and with Page Breaks </pre>
--	--

14.7 Easy SDI Modification with Menus

<p>To modify SDI with menu Profile :</p> <ul style="list-style-type: none"> - Change the profile name (Yes / No) ? : <p>SDI defined in following file(s) :</p> <ul style="list-style-type: none"> - Add / delete file(s)/ change survey field(s) ? : Yes / No - To add file(s): enter file name(s) with survey/ update fields, e.g. dwpi (up) - To delete file(s): enter file name with minus (no survey fields), e.g. -dwpi - Enter all changes separated by spaces, in one line, e.g. dwpi (up4) -japio <p><i>[follow menu prompts to change any further parameters]</i></p> <ul style="list-style-type: none"> - Change of E-Mail address : - Change the delivery format ? : - Change the "print" / display command ? : - Change this SDI Title command ? : - Change this Page Style ? : - Change this "SORT" command ? : - Change this subaccount ? : 	<pre> SET SDI <profile name> set sdi cisco CISCO ?n (DWPI) UP ?y pluspat (qw) -dwpi SDI now defined in following file(s) and survey field(s) PLUSPAT (QW) Yes/No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No </pre>
--	--

14.8 Expert SDI Modification

Precision commands to modify SDI parameters

Note: You may make modifications to SDI parameters in any file as SDI modifications are always billed at the parking file rates.

To check current SDI parameters:

```
SHOWSDI <NAME>
shosdi cisco
Profile : CISCO 2002/10/09
1 - /PA CISCO
SDI defined in following file(s) : DWPI (UP)
"PRINT" sub-command: ABST
"TITLE" sub-command: CISCO PATENT
CHECK
REQUESTOR : CLIENT - TECHNICAL
LIBRARY
Subaccount: OCT2002
Delivery mode : EMAIL
Send to :
CLIENTTECHLIB@MYCOMPANY.COM
CLIENT1@MYCOMPANY.COM
CLIENT2@MYCOMPANY.COM
CLIENT3@MYCOMPANY.COM
CLIENT4@MYCOMPANY.COM
CLIENT5@MYCOMPANY.COM
File Format : PDF
Page Style : 4 - Full Field Names, Indented Text
and with Page Breaks
```

Enter a command for each SDI parameter to be modified - one parameter at a time.

- Generally, for each parameter use:
set sdi <profile name> <semi colon> <parameter>
- To change only the SDI profile name:
SET SDI <CURRENT NAME> = <NEW NAME>

- To change only the files or updates to be surveyed, to add file(s): enter file name(s) with survey / update fields, e.g. dwpi (up)
- To delete file(s): enter file name with minus (no survey fields), e.g. -dwpi
- Enter all changes separated by spaces, in one line, e.g. dwpi (up4) -japio

- To change only the print/display command
SET SDI <SDINAME>;PR <FORMAT > <DISPLAY>

- To change only the SDI title
SET SDI <SDINAME>;TI <NEW TITLE >

- To change only the Subaccount
SET SDI <SDINAME>; SUBACCT <NEW SUBACCCOUNT>

- To change only email address:
SET SDI <SDINAME>; EMAIL <NEW ADDRESS>! <EMAIL ADDRESS >!

- To change only the file format
SET SDI <PROFILE NAME> EMAIL <NEW FILE FORMAT>

```
SET SDI CISCO = CISCOPLUS
```

```
SET SDI CISCOPLUS;SURVEY PLUSPAT (QW)
-DWPI
```

```
SET SDI CISCOPLUS;PR MINI IMG LEGAL
```

```
SET SDI CISCOPLUS;TI CISCO WATCH IN
PLUSPAT
```

```
SET SDI CISCOPLUS;SUBACCT NOV2002
```

```
SET SDI CISCOPLUS; EMAIL
JONES@NEW.COM! NUCLIENT@NEW.COM!
NUCLIENT1@NEW.COM!
```

```
SET SDI CISCOPLUS EMAIL XML
```

15. USER OPTIONS

15.1 Postal address

<p>Use with PR, SDI, OR, DOR</p> <ul style="list-style-type: none">- List current address details and be prompt to enter a new or modified address.- Unprompted entry of address (3-7 lines) Separate lines of address with "!" End each long input line with "-" for continuation on new line.	<p>AD</p> <p>AD MR JONES!QUESTEL•ORBIT!- 18 PARKSHOT!RICHMOND! – TW9 2RG!UK</p>
---	---

15.2 Internet email address

<ul style="list-style-type: none">- Create or modify your internet email address	<p>SET EMAIL CLIENT@CORPORATION.COM</p>
--	---

15.3 Ordering Documents

<p>PDS Patent Delivery System (OR)</p> <p>Display the PN (PRT XPN) or copy the PN between the patent reference's square brackets. It should look like this: CCNNNNNNNNnnnn (two digit country code + publication number up to 11 characters). You may order up to ten (10) PNs. You will receive by email your order receipt, a compressed file (.zip) and the copies in PDF format.</p> <ul style="list-style-type: none">- To send to a different email address You will then be asked to type an electronic address. Alternate addresses can not be stored. <p>▪ IN QWEB : Simply click on ORDER PATENTS</p>	<p>ORDER EPO XPN WO200012362,EP-12345</p> <p>OR EPO XPN WO200012362, EP--12345; SET EMAIL</p>
---	---

15.4 Permanent user options

<p>Display permanent user options</p> <p>Modify permanent user options:</p> <ul style="list-style-type: none">- Accented characters without display of accented characters (default)- With display of accented characters- Number of lines displayed on screen before prompted to continue (minimum 10, default 24, see the paragraph "online display-number of lines options")- Number of characters per line (64-132, default 80)- System language French (default) English- Truncation of search terms- With display of terms generated (default)- Without display of terms and with dialogue asking "more" or "end" every 1000 terms-- Display the number of records for each term in your search statement where a statement contains more than one term <p>System prompts</p> <ul style="list-style-type: none">- In full (default)- Abbreviated <p>Search statements with zero results in current session</p> <ul style="list-style-type: none">- Kept in strategy (default)- Erased from strategy, this option is available only in single database environment	<p>POP</p> <p>POP TERM STDR</p> <p>POP TERM 8 POP NL 500</p> <p>POP NC 85</p> <p>POP LA 1 POP LA 2 POP TRUN SEL POP TRUN AUTO POP TRUN NONSTOP</p> <p>POP AUDIT ON</p> <p>POP MES LONG POP MES SHORT</p> <p>POP SSZ SV POP SSZ ER</p>
---	--

<p>Online estimated search costs</p> <ul style="list-style-type: none"> - Turn display off - Turn display on (default) <p>Search terms highlighted in displayed results</p> <ul style="list-style-type: none"> - Asterisks with Imagination software - Highlighting off (default) <ul style="list-style-type: none"> - Display of message "Processing" every n seconds (min 10, max 300) while system processes important lists of terms <p>Display of results in a cluster environment</p> <ul style="list-style-type: none"> - Detailed database by database (default) - Overall <p>Image format</p> <ul style="list-style-type: none"> - GIF format (default) - TIFF format - Reduction of images from 1% to 99 % (default: 0) <p>Change Merged Family Display</p> <ul style="list-style-type: none"> - Reference of data for TI, PA & AB <p>Combining several options</p>	<p>POP COST OFF POP COST ON</p> <p>POP HLIG ON TERM 8 POP HLIG OFF</p> <p>POP TLIM 200</p> <p>POP DET ON POP DET OFF</p> <p>POP IMG GIF POP IMG TIFF POP IMG TIFF R25</p> <p>POP MFAM EP POP NL 50 NC 80 TRUN AUTO</p>
--	--

15.5 Temporary user options

<ul style="list-style-type: none"> ▪ Display temporary user options ▪ Modify options for current session only 	<p>OP OP HLIG ON TERM 2</p>
---	---

15.6 Use of the FROM parameter

<ul style="list-style-type: none"> - The FROM parameter is mandatory in a Cluster environment with these commands - The FROM parameter is optional in a Cluster environment with these commands 	<p>JOIN, MEMS, RK, SO, SAVE,STORE, SDI, UP, OR (for ordering documents)</p> <p>BR, FLD, FO, FOR, HIS, PRT, MEM</p>
---	--

16. OTHER SYSTEM FEATURES

<ul style="list-style-type: none"> - Display information on Questel•Orbit services with multi-level menus 	<p>INFO</p>
---	--------------------

17. SYNONYMS

<p><u>Commands cited in the mini-guide</u></p> <p>FI NBR HIS PRT PR SORT SAVE name STORE name SHO SHO name PURGE name SDI name SHOSDI SHOSDI name PURGESDI name</p>	<p><u>Synonyms</u></p> <p>FILE IND HI LI PRTOFF SO SV name SV SE name HI SE HI SE name ER SE name SV PF name HI PF HI PF name ER PF name</p>
---	---

*All the commands may be used with or without the dot dot '..' which is optional.

20. STOPWORDS

<p>There are stopwords in a small number of files on Questel•Orbit.</p> <p>The files are: DWPI, IFIPAT, PHARM and CAS</p> <p>The stopwords are all associated with Chemical Symbols and relate to the case of the first letter of the word in the record.</p> <p>The following are treated as Stopwords - only if they begin with a lower case letter</p> <ul style="list-style-type: none"> - In all Stopword Free Files - to search in vitro, use double quotes around word "in" - - For Files DWPI , IFIPAT, PHARM and CAS, drop the word "in" from search request. 	<p>a, at, as, be, he, in, and no</p> <p>"IN" W VITRO</p> <p>VITRO W FERTILI+</p>
--	---

21. SYSTEM LIMITS

Number of SEARCH STATEMENTS per database	200
Number of CHARACTERS per search statement	2,030
Number of RESULTS/ANSWERS per search set	Variable: This depends on the dynamic allocation of system resources
Number of TERMS PER MEMORY list (CROSS-FILE SEARCHING & STATISTICAL ANALYSIS)	100,000
Number of TERMS PER ANSWER SET using truncation	30,000
Number of TYPES OF TRUNCATION within a search term	3
Number of TERMS, PORTIONS or IDENTICAL TRUNCATION SYMBOLS	7
Number of DEFAULT MEMORY LISTS (MEM1, MEM2, MEM3, MEM4) MEM1 - Default cross-file searching list MEM2 - Default statistical analysis list	4
Number of USER DEFINED MEMORY LISTS	150
PATENT GROUPING & ID COMMAND	Maximum 5000 records per search statement
SORTING	Maximum 5000 records
RANKING	Maximum 5000 records
FAMILY SEARCHES on a SEARCH SET (FAM SS command)	Maximum 1000 records
Number of WORDS used WITH PROXIMITY CONNECTORS W OR D e.g.: transgenic 9d animal? [transgenic 10d animal? will not process correctly]	9
Number of RECORDS for OFFLINE PRINTS:	5000 - Postal mail 1000 - Email

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