

Delphion[®]

An Overview of *Delphion* Features



- Patent Searching
- Result Set Display
- Delphion Integrated View
- Work Files
- Corporate Tree
- Citation Link
- PDF Express

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Guide Overview

This guide is intended to provide a general overview of *Delphion* features. For more detailed information, please visit the *Delphion* online Help Center at: www.delphion.com/help

Additional training is available through *Delphion* live and archived Web seminars. For more information, go to: www.delphion.com/events/news-exploring

Patent Collection Searching

LOG IN

Go to www.delphion.com and enter your User Name and Password.

CHOOSE A SEARCH FORM

Select a *Delphion* search form to search worldwide patent collections:

Quick/Number

Find a specific patent by its number or find patents containing a specific name, word, or phrase.

Boolean

Find patents with words or phrases in up to four search fields, using Boolean connectors (AND, OR, AND NOT) to narrow or expand your search.

Advanced

Create custom query strings in an open text box or automatically construct complex queries with terms in multiple fields.

CREATE A SEARCH

- 1 Enter your search criteria into fields provided on the form.
- 2 Select collections to search.
- 3 If searching US, EP, German, or WIPO PCT, choose to search just the **Front pages** or **Full Text** including claims.
- 4 Select **Publication Date**, **Filed Date**, or **Priority Date** and a range to search (on Boolean and Advanced forms).
- 5 Select the type of information you'd like to **Show** on your results page and how you'd like the information displayed.
- 6 Execute your **Search**.

The screenshot shows the 'Advanced Search' interface. At the top, there is a text input field labeled 'Any Field:' containing the text 'stem cell', with a callout '1' pointing to it. To the right of this field are 'Search' and 'Clear' buttons, with a callout '6' pointing to the 'Search' button. Below the input field is a section for selecting collections, with a callout '2' pointing to the 'Select collection(s):' label. This section includes a list of checkboxes for various patent collections, with 'U.S. (Granted)', 'U.S. (Applications)', 'European (Granted)', 'European (Applications)', 'WIPO PCT Publications', and 'INPADOC' checked. To the right of this list is a section for 'For U.S., EP, German and PCT:' with radio buttons for 'Front pages' (selected) and 'Full text including claims', with a callout '3' pointing to the 'Full text including claims' option. Below this is a section for 'For INPADOC:' with a dropdown menu set to 'All countries (or choose one)'. Further down is a 'Set range for:' section with a dropdown menu set to 'Filed Date' and a callout '4' pointing to it. Below this are 'From' and 'To' date pickers, both set to '2000' and '2001' respectively. At the bottom, there is a 'Show:' section with checkboxes for 'Thumbnail', 'Title', 'Derwent Title', 'Abstract', 'Assignee', 'Pub. Date', 'Filed', 'Priority Date', 'IPC Code', and 'Score', with a callout '5' pointing to the 'Show:' label. Finally, there is a 'Sort by:' dropdown set to 'Score' and an 'Items per page:' dropdown set to '20', with a 'Check all' link.

Additional Search Forms

BROWSE CODES

Browse through patents by International Patent Classification, US Classification, or by Derwent Classification Codes. Or use keyword searching to find relevant IPCs or US classes.

On the Browse Codes page, the following code lists are also linked for reference:

- US Maintenance Status Codes
- INPADOC Legal Status Codes
- Patent Kind Codes

DERWENT

Search the *Derwent World Patents Index*[®] by selecting a specific Derwent search page from the following choices:

- **Derwent Boolean Text** search page to use Boolean operators to search for Derwent records
- **Derwent Advanced Text** search page to search for Derwent records using advanced text search fields (like Publication Date, Inventor/Author, Assignee, Derwent Title, etc.)
- **Derwent Patent/Accession Numbers** search page to search for Derwent record by patent number or accession number

PRIOR ART

Search for prior art from the following sources:

- IP.com documents
- IBM Technical Disclosure Bulletins (TDBs)

View referenced Thomson ISI journal abstracts through links on the Delphion Integrated View.

IP LISTINGS

Search the *Delphion* Web site for patents available for licensing, or search the yet2.com collection of over 6,000 technology listings.

Result Set Display

The *Delphion* Result Set gives you the results of your query, plus access to a variety of options and tools to modify your search — without going back to the initial search page. When running a query from any of the *Delphion* search pages, or when viewing a Work File, your query results are displayed under the Current Results tab.

The following is an overview of the main sections of a typical Result Set display.

1 Review your search query and refine it as needed.

2 See number of matches found.

3 Order patents in a variety of formats.

4 Purchase PDFs instantly.

5 Click to see the Delphion Integrated View for a patent record.

6 Instantly sort your results by any field column header.

7 Show or hide fields in the current display.

The screenshot shows the 'Current Results' tab for a query on 'pet restraint'. The interface includes a search bar with the query '(pet restraint)', a 'Search' button, and a dropdown menu for 'Select collection(s)' with options like 'US (Applications)', 'European (Granted)', etc. Below the search bar, it shows 'Collections searched: US (Granted), European (Applications), European (Granted), WIPO PCT Publications' and '14 matches found of 6,562,802 patents searched'. A navigation bar includes 'First Page', 'Previous Page', 'Next Page', and 'Last Page'. A 'Go' button is next to 'Order selected items as PDF'. Below this is a table with columns for 'Publication', 'Title', 'Pub. Date', and 'Score'. The first row shows 'US6699168' with the title 'Dual pet leash' and a score of 85%. The second row shows 'US6374777' with the title 'Tangle free pet restraint' and a score of 84%. A 'Show:' section at the bottom allows users to toggle visibility for fields like 'Thumbnail', 'Title', 'Abstract', 'Assignee', 'Pub. Date', 'Filed', 'Priority Date', 'IPC Code', and 'Score'. A 'Sort by:' dropdown is set to 'Score', and 'Items per page' is set to 10. A 'Refresh' button is also present.

The Delphion Integrated View

The Delphion Integrated View presents all the information relevant to a particular patent in one view. It includes extensive links to items such as other family members, forward and backward citations, non-patent prior art, business profile data, and information about licensing.

- 1 Download patent document.
- 2 Email a link to this record to a colleague.
- 3 Review the more meaningful Derwent Title and access Derwent Record.
- 4 Gain quick access to all pages of patent document.
- 5 Generate Result Sets for patents owned by the same assignee or in the same IPC or US classifications.
- 6 Review INPADOC Legal Status actions.
- 7 Create a Family Legal Status Report to see legal actions for all members of a patent family in one view.
- 8 View all of the patent's Claims.
- 9 Review other resources referenced by this patent.
- 10 Launch Citation Link tool.
- 11 Examine Forward and Backward references.
- 12 View abstract from *Web of Science*[®].

The Delphion Integrated View

1 Get Report [PDF] [More options]... Tools: [Enter Link] Add to New File Create new Work File [X]

View: [Current Entry: 1] [PDF] [Reports] [Tab] [Go] [Go to: 1/1/2001]

2 [E] [Email this record]

3 Title: **US5963522: Optical disk device and method for detecting and replacing a defective sector within a block containing recording data and error correction data on an optical disk**

Derwent Title: Replacement processing for optical disc - recording dummy data during manufacturing process and reading this to determine where defects occur [Derwent Record]

4 Country: US United States of America

Inventor: Yamamura, Mikio; Yokohama, Japan

Assignee: Kabushiki Kaisha Toshiba, Kawasaki, Japan
other patents from TOSHIBA CORPORATION (US61270) (approx. 23,930)
News, Profiles, Stocks and More about this company

5 Published / Filed: 1999-10-05 / 1999-10-02

Application Number: US199800165343

IPC Code: G11B 7/00

GCLA Code: G11B06/0203, G11B02/1802, G11B02/1804, G11B07/10

U.S. Class: Current: 369/562.04, 369/563.16
Original: 369/564, 369/542, 369/561

Field of Search: 369/551, 58, 59, 47, 48, 32, 124, 369/563, 48

Priority Number: 1996-03-25 JP199600868531

Abstract: An apparatus and method for detecting and replacing a defective sector on an optical disk. Recording data and error correction data

6 INPADOC Legal Status:

Effective date	Code	Description (remarks)	view actions
2000-09-19	CC	Certificate of correction	AS
1999-01-25	A582	Assignment of assignee's interest (New owner: KABUSHIKI KAISHA TOSHIBA 72 HORIKAWA-CHO, SAIWAKI 1997-03-10)	
1999-01-25	A582	Assignment of assignee's interest (New owner: YAMAMURO, MIKIO 1997-03-10)	
1999-10-02	A582	Assignment of assignee's interest (New owner: KABUSHIKI KAISHA TOSHIBA 72 HORIKAWA-CHO, SAIWAKI 1997-03-10)	
1999-10-02	A582	Assignment of assignee's interest (New owner: YAMAMURO, MIKIO 1997-03-10)	

7 Set View: Family Legal Status Report

8 Claims: 1. A replacement processing method comprising the acts of:
a) producing format data of an ECC block of an optical disk, the ECC block comprising 16 sectors, each of the sectors comprising 12 rows, each of the rows having 172 bytes, a plurality of internal error correction codes, each internal er

9 U.S. References: Go to Result Set: All U.S. references (1) | Forward references (0) | Backward references (30) | Citation Link

IPC	Patent	Pub. Date	Inventor	Assignee	Title
[PDF]	US4733290	1988-03	Takenaga et al	Mitsubishi Ltd	Defect detecting optical apparatus reading recording in preformatted sector or track
[PDF]	US4742507	1988-04	Kumaki et al	Mitsubishi Electric	Optical information recording and reproduction using

10 Other References:

- Hisopodor, et al, "The Changing Nature of Disk Controllers", Proceedings of IEEE, vol. 81, No. 4, Apr. 1, 1993, pp. 586-594 (9 pages) (Cited by 3 patents (ISI abstract))
- "High-Speed Formatting Operation for a Disk File", IBM Technical Disclosure Bulletin, vol. 36, No. 8, Aug. 1, 1993, pp. 673-674.
- Hashimoto, Japanese patent abstract for 4-114371, Red Sep. 5, 1990, published Apr. 15, 1992.
- Toshiba Corporation, partial translation of Japanese patent application 0-129400, filed Oct. 31, 1991, pp. 1-10, 11-14, 15-17.

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The Delphion Integrated View

The Delphion Integrated View displays all of the following information for a patent, as available from original and value-added data sources:

- Patent number
- Patent title
- Derwent title and link to *Derwent World Patents Index* record
- High-resolution image of the original patent document
- Inventor name
- Attorney/agent
- Assignee name in normalized format and linked to other patents by same assignee
- Business profile link
- Published date
- Filed date
- Application number
- IPC codes with links to patent documents in same class
- ECLA codes
- US or National Classification with links to patent documents in same class, and Field of Search
- Priority number
- INPADOC legal status actions
- INPADOC — legal status family report
- Family
- Related applications and continuity data
- Patent abstract
- Claims
- Description
- Forward and backward citations
- Background/summary and drawing descriptions
- Other references including links to non-patent prior art
- Licensing opportunities link

For more information about a field within the Delphion Integrated View, simply click the “?” icon next to that field to view its Field Definition.

Download and Delivery Options for Patent Information

Once you find the patents you're looking for, you can view, download, and print high-quality images of them, or have them delivered by fax or CD-ROM. The following formats and options are available:

- **Downloads** of scanned documents available in PDF and TIFF formats
- **PDF Express** bulk downloads of up to 500 PDFs
- **Single-click PDF downloads** streamline purchase path
- **Faxes** of document images
- **Printed copies** of US patents sent by postal service
- **CD-ROMs** are available with US images, images and text, or images and text with searchable database
- **Patent File History (File Wrapper)** includes the complete set of patent documents and is sent by the USPTO

PDF EXPRESS

PDF Express is a robust bulk download tool you can access from any Work File or Result Set. The PDFs are packaged into a zip file that is then downloaded to your local drive. You can save the PDFs for future reference or print them at your convenience. A log of the downloaded PDFs is also included in the zip file for your records. You can download up to 500 PDFs at one time.

SINGLE-CLICK PDF DOWNLOADS

From the Delphion Integrated View, a search Result Set, or a Work File Result Set, you can download a PDF, simply by clicking the PDF icon for the desired patent. If the patent image is from one of the major collections (US, EP and WO), the download begins immediately, opening in an Acrobat Reader window directly in your browser.

If the patent is from one of the national collections, we will check on the PDF availability for you. If the PDF is not available, we will present you with the option of placing a special order to have the PDF located and emailed to you.

PATENT FILE HISTORY (FILE WRAPPER)

The Patent File History is the complete set of documents issued by the patent examiner, the applicant, and the applicant's attorney from the time of patent application to issue. These papers chronicle communications and actions, providing valuable insight into the progress of the application along with the fees and alterations that were required to get the patent issued. This is an excellent resource for background information once you have narrowed your search.

Collection Coverage

Delphion gives you access to the patent collections you need to see inside the world's important patent databases.

UNITED STATES PATENTS AND APPLICATIONS

The US Patents and Applications collection includes full text and images of granted patents and patent applications published by the US Patent and Trademark Office (USPTO).

EUROPEAN PATENTS AND APPLICATIONS

This collection contains European granted patents and patent applications published by the European Patent Office. It includes full text and images.

GERMAN PATENTS AND APPLICATIONS

The German Applications collection contains German granted patents, utility models and patent applications published by the German Patent and Trademark Office combined with German data provided by INPADOC.

INPADOC

INPADOC is one of the most comprehensive patent collections in the world. It contains patent family documents from 71 world patent signatories and legal status information from 42 patent offices. *Delphion* brings together both of these pieces of information into a single searchable database and makes available 30 million patent family documents and 45 million legal status actions. Family and legal status data are displayed in a patent's Integrated View.

PATENT ABSTRACTS OF JAPAN (PAJ)

Japanese unexamined patent applications in English for both Japanese and non-Japanese priorities. At present, representative first pages are available for viewing online.

WIPO PCT PUBLICATIONS (WO)

PCT stands for the "Patent Cooperation Treaty." PCT publications are abstracts, full document images, and full text from over a hundred member countries.

DERWENT WORLD PATENTS INDEX (DWPI)

DWPI is the most comprehensive database of value-added patent information in the world. Covering over 11 million separate inventions from over 40 different international patent-issuing authorities, *DWPI* is ideal for prior art searching, monitoring competitors, and keeping your research knowledge up-to-date.

COLLECTION UPDATES

For information on exact coverage dates for each collection, go to: www.delphion.com/whatsnew

Corporate Tree

Corporate Tree helps you more easily find US and EP patents and applications by Assignee name. Corporate Tree has two separate and distinct features: *Original Assignee* and *Hierarchy*.

Corporate Tree's **Original Assignee** function helps you discover all US patent records that belong to the Assignee you are investigating, but have been filed under different variations of the Assignee name. Without Corporate Tree, you would need to perform a separate search for each variation of the name.

The Corporate Tree **Hierarchy** function shows you how an Assignee name fits into a corporate hierarchy that takes into account mergers and acquisitions — and then lets you search US and EP patents and applications by selecting Assignee names from the corporate hierarchy. This means you can find applications and patents filed by companies that no longer exist as legal entities and whose patents have been reassigned to the “new owners.”

1 On the Advanced or Boolean search form, click the Corporate Tree button.

2 The Corporate Tree popup displays.

3 In the **Company name or code** text box, enter the company name or code you want to search for.

4 Click **Original Assignee** or click **Hierarchy**.

5 Original Assignee data displays. Check boxes to select Assignee names for your search.

6 Click **Save** to move these Assignee name selections to your search form. The Corporate Tree popup closes.

7 Hierarchy data displays. Check boxes to select Assignee names for your search.

8 The Assignee names you selected populate directly into the **Assignee** field on your search form.

The screenshot shows the Corporate Tree search interface. At the top, there is a button labeled 'Corporate Tree' (1). Below it is a search form with a text box for 'Company name or code' (3) containing 'Motorola' (4). There are buttons for 'Original Assignee', 'Hierarchy', and 'Cancel'. A 'Save' button (6) is also present. The results are displayed in two sections: 'Original Assignee results for 'Motorola'' (5) and 'Hierarchy results for 'Motorola'' (7). The Original Assignee results list several companies with checkboxes, some of which are checked. The Hierarchy results list a corporate structure with checkboxes, some of which are checked.

1 Corporate Tree

2 Corporate Tree

3 Company name or code: Motorola

4 Original Assignee Hierarchy Cancel

6 Save Click Save to copy selected terms and return to search form.

5 Original Assignee results for 'Motorola'

- ALPS MOTOROLA, INC. (approx. 35)
- GENERAL INSTRUMENT CORPORATION MOTOROLA, INC. (approx. 1)
- MOTOROLA AUTOMOBILE (approx. 1)
- MOTOROLA CANADA LIMITED (approx. 5)
- MOTOROLA COMPUTER SYSTEMS, INC. (approx. 12)
- MOTOROLA COMPUTER X, INC. (approx. 4)
- MOTOROLA ELECTRONICS SDN BHD (approx. 1)
- MOTOROLA ENERGY SYSTEMS, INC. (approx. 2)

7 Hierarchy results for 'Motorola'

- ALPS ELECTRIC COMPANY LIMITED
- MOTOROLA INC
 - GENERAL INSTRUMENT CORP
- SIEMENS AG
 - ACUSON CORP.
 - OSRAM GMBH
 - SIEMENS VDO AUTOMOTIVE

Work Files

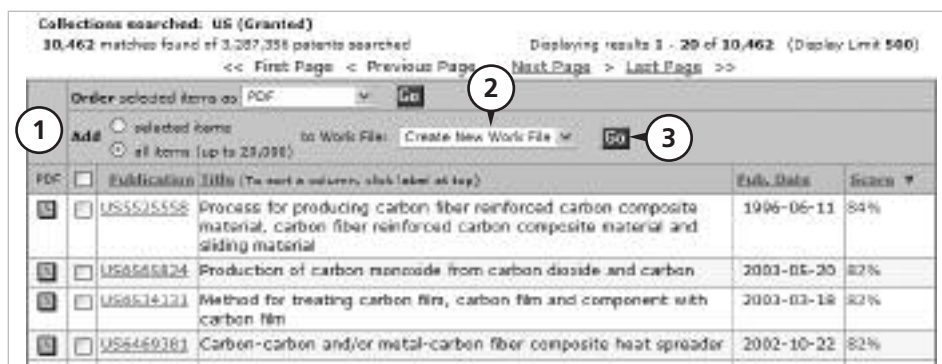
Work Files are customized lists of patents that you create to work with in any manner you choose. Work Files can be saved for an indefinite period of time. When creating Work Files, you can combine the results from multiple searches into a consolidated list, choose just a few patents, enter multiple patent numbers, or import a list of patents from another application. Each Work File can contain up to 20,000 records.

Work Files function like file folders containing a *Delphion* standard Result Set for the specific patents that you want. You can set them aside to work on later, without having to re-run your queries. A Work File has most of the same characteristics as a Result Set and, as such, can be manipulated like a Result Set within many of the *Delphion* analytical and productivity tools like Snapshot, Clustering, Data Extract, and PDF Express.

CREATING A WORK FILE

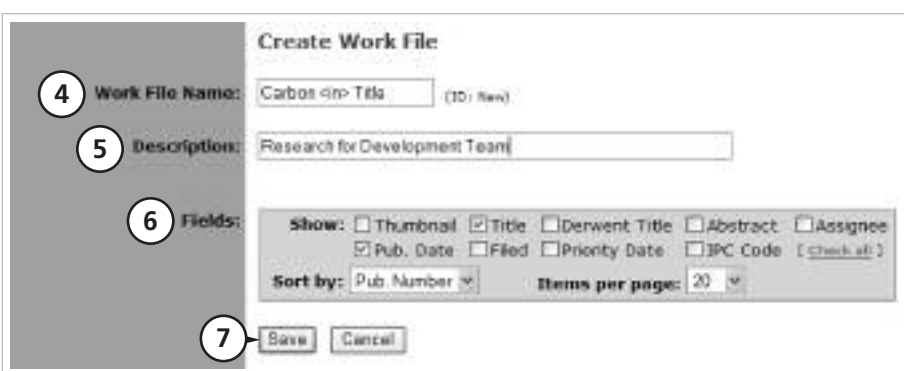
The following is one method for creating a Work File from a Result Set:

- 1 Choose to **Add selected items** on this page or choose to **Add all items** (up to 20,000).
- 2 Select **Create New Work File** or choose an existing Work File to which to add the patents.
- 3 Click **Go**.



Delphion displays the Create Work File page (shown following):

- 4 Enter a **Work File Name**.
- 5 Optionally, enter a **Description**.
- 6 At the **Fields** section, choose the patent fields you want included in your Work File display as well as the order you want them sorted by.
- 7 Click **Save** to create your Work File.



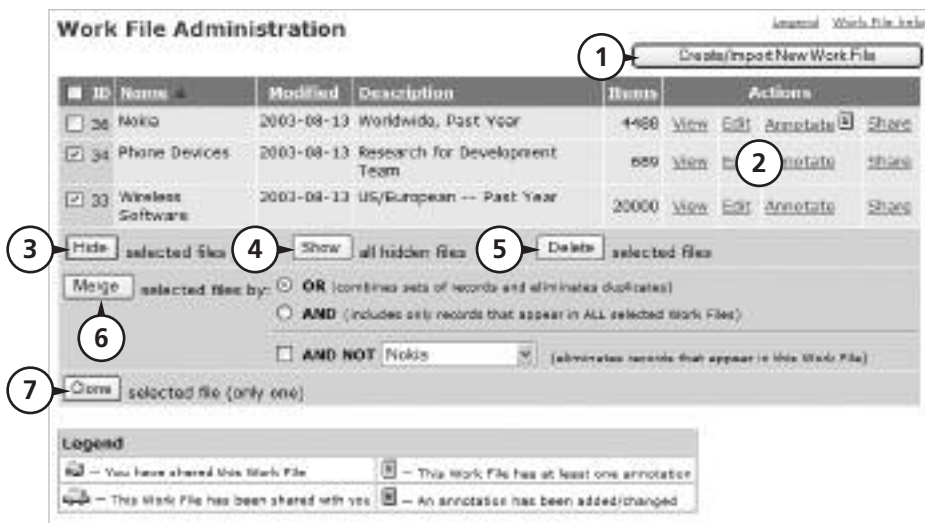
Your newly created Work File will display on the Work File Administration page along with any other Work Files you may already have.

Work Files

WORK FILE ADMINISTRATION

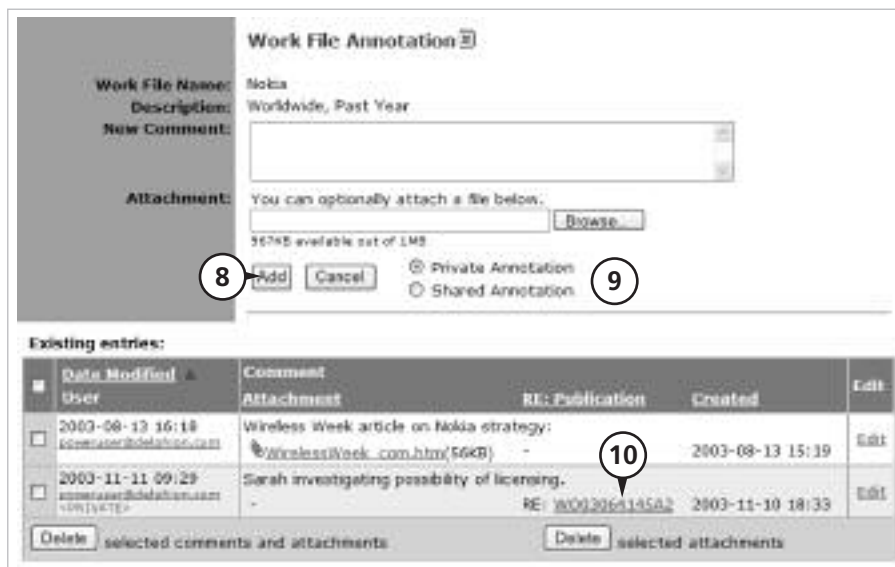
From the Work File Administration page, you can View, Edit, Annotate, Share, Hide, Show, Clone, Merge, and Delete your Work Files. You can also create a new Work File by importing patent numbers from an existing file or through a cut and paste operation. In one list, you see all of your Work Files, including those you have shared, those you have not shared, and those that others have shared with you.

- 1 Create and import new Work Files.
- 2 View, Edit, Annotate or Share your Work Files.
- 3 Hide selected files.
- 4 Show all hidden files.
- 5 Delete selected files.
- 6 Merge two or more selected files.
- 7 Clone a selected file.



ANNOTATING A WORK FILE

- 8 Add comments and attachments, like spreadsheets and documents to your Work File.
- 9 Select to keep an annotation private for only you to view, or share it with others who have access to the Work File.
- 10 Annotate individual patent documents within a Work File with comments and attachments.



Snapshot

Snapshot is a unique analytical tool that summarizes selected bibliographic patent data from a query Result Set or Work File and creates a bar chart “snapshot” of the summary.

You can select a subset of the items within the bar charts and have Snapshot re-summarize your results. Or you can select items from the bar charts and create a new Result Set.

CREATING A SNAPSHOT

1 From any query Result Set or any Work File, click the **Snapshot** tab.

2 Highlight the data fields you want summarized in a bar chart in the **Summarize** by selection box.

3 Choose to **Sort by Item count** or **Field values**.

4 Choose to **Display Results in Single column** or **Double column**.

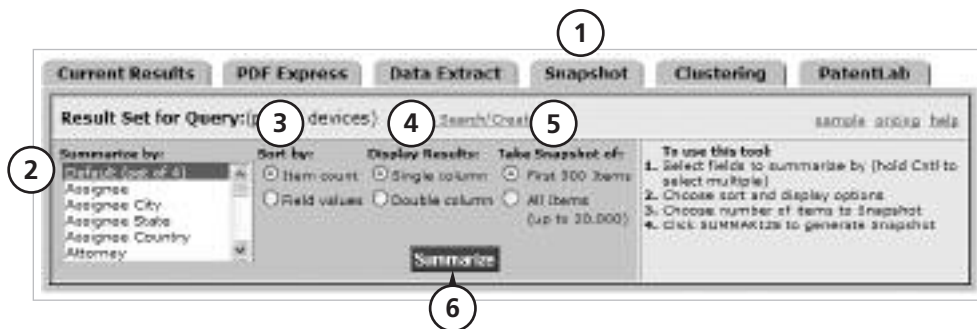
5 Choose to **Take Snapshot of the First 500 Items** or **All Items (up to 20,000)**.

6 Click **Summarize**.

7 Click a hyperlinked **Item Count** number to view the patents within that group.

8 Generate a new Result Set by selecting items of your choice and clicking **View documents**.

9 Or, select items of your choice and click **Summarize** again to create a new Snapshot.



The screenshot shows a table with two columns of data. The left column lists assignees with their item counts and percentages. The right column shows a bar chart for priority years with item counts and percentages. A 'View documents' button is at the bottom.

Select	Assignee	Item Count	%	Bar Chart
<input type="checkbox"/>	INTERNATIONAL BUSINESS MACHINES CORPORATION	11	4.9%	■
<input type="checkbox"/>	SANYO ELECTRIC CO., LTD.	12	4.5%	■
<input type="checkbox"/>	LUCENT TECHNOLOGIES INC.	10	3.8%	■
<input type="checkbox"/>	NOKIA CORPORATION	10	3.8%	■
<input type="checkbox"/>	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	9	3.4%	■
<input type="checkbox"/>	AT&T CORP.	7	2.6%	■
<input type="checkbox"/>	SAMSUNG ELECTRONICS CO., LTD.	7	2.6%	■
<input type="checkbox"/>	KONINKLIJKE PHILIPS ELECTRONICS N.V.	5	1.9%	■
<input checked="" type="checkbox"/>	NEC CORPORATION	5	1.9%	■
<input checked="" type="checkbox"/>	MICROSOFT CORPORATION	4	1.5%	■
(Outside Display Parameters)		181	68.8%	■

Select	Priority Year	Item Count	%	Bar Chart
<input type="checkbox"/>	2002	15	9.0%	■
<input type="checkbox"/>	2001	153	30.6%	■
<input type="checkbox"/>	2000	120	24.0%	■
<input type="checkbox"/>	1999	60	12.0%	■
<input type="checkbox"/>	1998	41	8.2%	■
<input type="checkbox"/>	1997	32	6.4%	■
<input type="checkbox"/>	1996	13	2.6%	■
<input type="checkbox"/>	1995	4	0.8%	■
<input type="checkbox"/>	1994	5	1.0%	■
<input checked="" type="checkbox"/>	1993	5	1.0%	■
(Outside Display Parameters)		22	4.4%	■

Data Extract

Data Extract exports over 40 bibliographic fields — as well as the full text — of patent data and delivers it all to your desktop in file formats suitable for use in many popular applications like *Derwent Analytics*SM; Microsoft Excel; *EndNote*[®], *Reference Manager*[®] and *ProCite*[®] (from ISI ResearchSoft); and most standard text editors.

EXTRACTING DATA

- 1 From any query Result Set or any Work File, click the **Data Extract** tab.
- 2 In the **Select format** box, indicate the file format for your extract.
- 3 Choose to **Extract** either selected items on this page or **all items** (up to 20,000).
- 4 In the **Available fields** box, highlight the fields you want to extract and click the blue arrow that points to the right to add them to the **Chosen fields** box.
- 5 Click **Download** to create Data Extract.
- 6 Wizard screens prompt you to open your Data Extract file directly or save it to a disk.

The screenshot shows the 'Data Extract' tab selected in the top navigation bar. The interface is divided into several sections:

- Navigation:** 'Current Results', 'PDF Express', 'Data Extract' (selected), 'Snapshot', 'Clustering', 'PatentLab'.
- Query Information:** 'Result Set for Query: (carbon <dn> TI)' with options to 'Save Search/Disable Alert' and 'PDF for PDF, articles, online help'.
- Select format:** A dropdown menu set to 'CSV (spreadsheet)'. A 'Client Reference (optional):' field is also present.
- EXTRACT:** Radio buttons for 'selected items on this page' and 'all items (up to 20,000)'. A note states '* Extra charges apply'.
- Available fields:** A list of fields including 'Inventor Name', 'Inventor City/State', 'Inventor Country', 'IPC Codes', 'Main IPC', and 'Main IPC (Lat 4 Digits)'. A blue arrow points from this list to the 'Chosen fields' box.
- Chosen fields:** A list containing 'Publication Number', 'Title', and 'Publication Date'.
- Download:** A 'Download' button and a 'Save as Zip File' checkbox.
- Search Results Summary:** 'Collections searched: US (Granted)', '10,462 matches found of 3,287,356 patents searched', and 'Displaying results 1 - 20 of 10,462 (Display Limit 500)'. Navigation links for 'First Page', 'Previous Page', 'Next Page', and 'Last Page' are provided.
- Table:** A table with columns 'Pub. No.', 'Publication Title', 'Pub. Date', and 'Score'. It lists several patent entries related to carbon fiber reinforced composites.

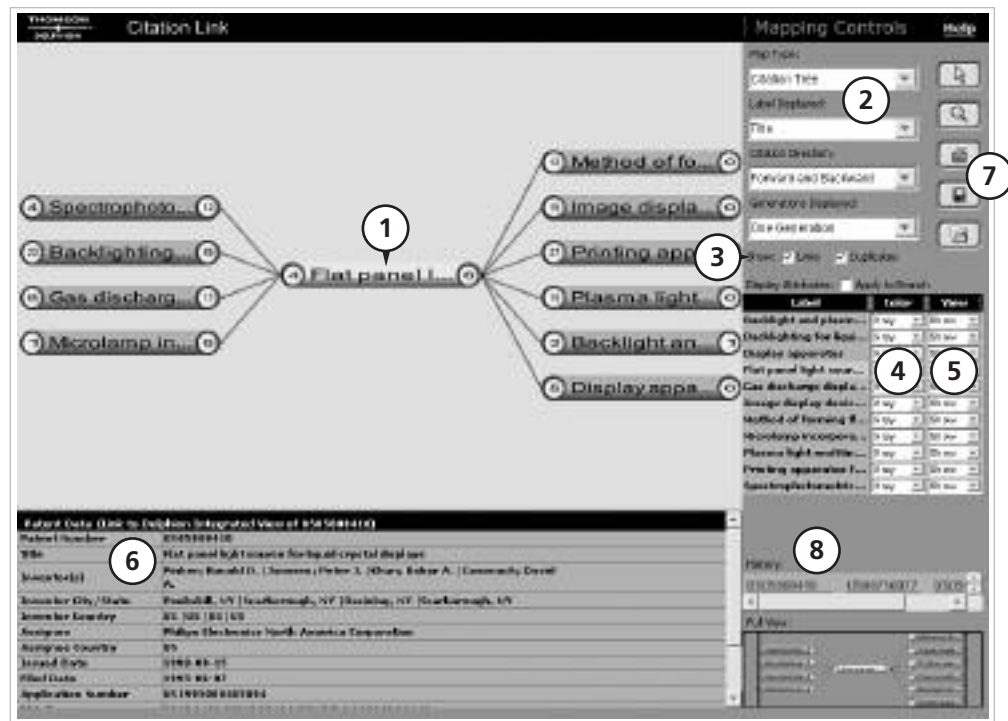
Citation Link

Citation Link is an analytical tool that reveals a patent's citations in a graphical map, using multiple visualization techniques. From a target patent, you can review either forward or backward references, or both at once. And you can display your analysis in a citation tree or timeline with one-, five- or 10-year increments.

You can access Citation Link from the Tools area at the top of the Delphion Integrated View of the patent for which you want to analyze citations.

CUSTOMIZING YOUR CITATION LINK VIEW

- 1 Double click a patent node to re-center and become the focal point of the display.
- 2 Select and change **Map Type**, **Label Displayed**, **Citation Direction** and **Generations Displayed**.
- 3 Use **Show** checkboxes to show or hide connecting lines between patent nodes, or to show or hide duplicate patent nodes.
- 4 Color code specific patents or groups of patents.
- 5 Show or hide specific patents or branches.
- 6 View bibliographic **Patent Data** about a specific patent when you single click a patent node.
- 7 Print or save the diagram, or save patents from the diagram as a **Work File**.
- 8 Click a patent number in **History** to return to a previous map.
- 9 Navigate the entire map and re-center the view in the main display area.



Saved Searches

Saved Searches allows you to save a frequently-used search and re-run it any time. You can save a search directly from a Result Set, assigning a name of your choice and adding any desired descriptive information. Your *Delphion* Saved Search page shows the last function performed, and lists all of your Saved Searches along with the date and time they were last modified and last run.

SAVING A SEARCH STRING

- 1 From a query Result Set page, click the **Save Search / Create Alert** link.



On the Add New Saved Search page:

- 2 Enter a **Name** and **Description** for your Saved Search.
- 3 Review **Query String** and edit if needed.
- 4 Review **Collections** and edit if needed.
- 5 Select how you'd like your results displayed on the Result Set page of your Saved Search.
- 6 Save your search.



On Saved Searches page:

- 7 **Run, Edit, Clone** your Saved Search, or set up an **Alert**.
- 8 **Merge** two or more Saved Searches together.

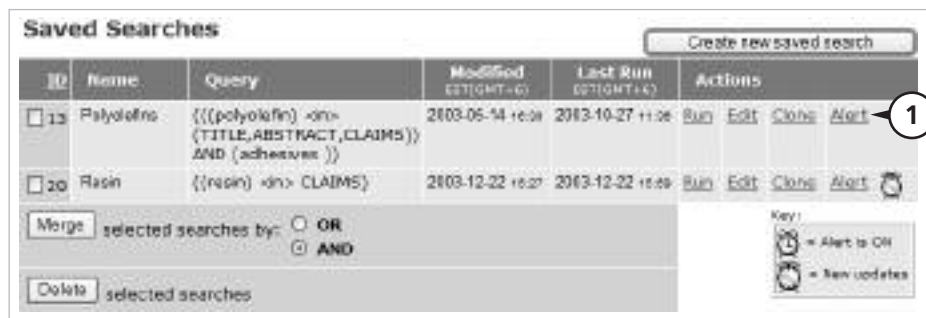


Alerts

Delphion Alerts let you automatically run Saved Searches and email yourself the results — on a frequency you choose. The Alert can be copied to other colleagues to keep them up-to-date, and can be suspended if you're going on a business trip or vacation.

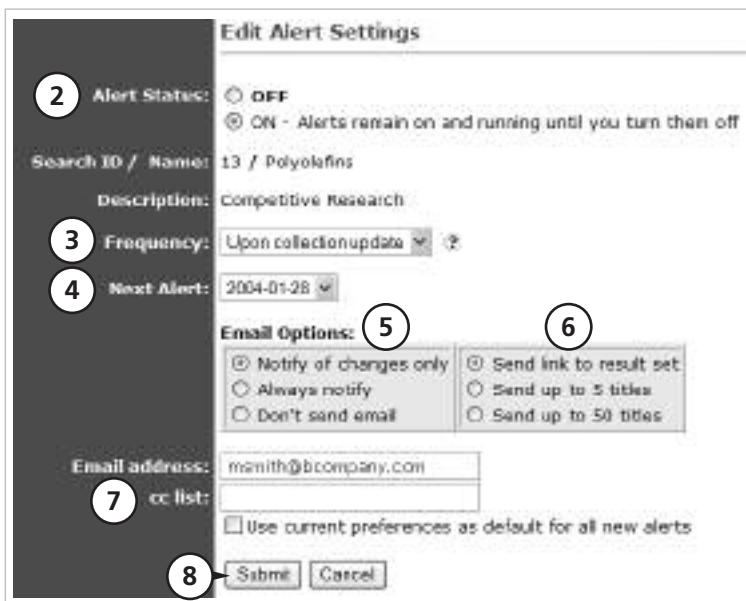
SETTING UP AN ALERT

- From the Saved Searches page, Click the **Alert** link.

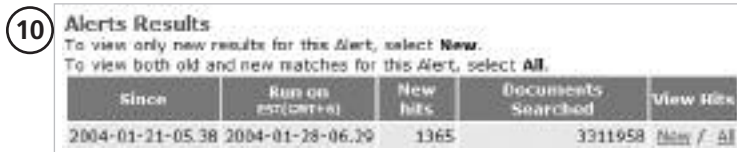


On the Edit Alert Settings page:

- Alert Status defaults to on.
- Select how often you want to receive an Alert.
- Choose when to receive your **Next Alert**.
- Set your email notification preference: **Notify of changes only**, **Always notify**, or **Don't send email**.
- Select Alert email content: **Send link to Result Set**, **Send up to 5 titles**, **Send up to 50 titles**.
- Enter email addresses of individuals to receive the Alert.
- Click **Submit**.



- A clock appears next to the Alert link, indicating that your Alert is on.
- Click the clock icon with a yellow lightning bolt to view new Alerts Results.

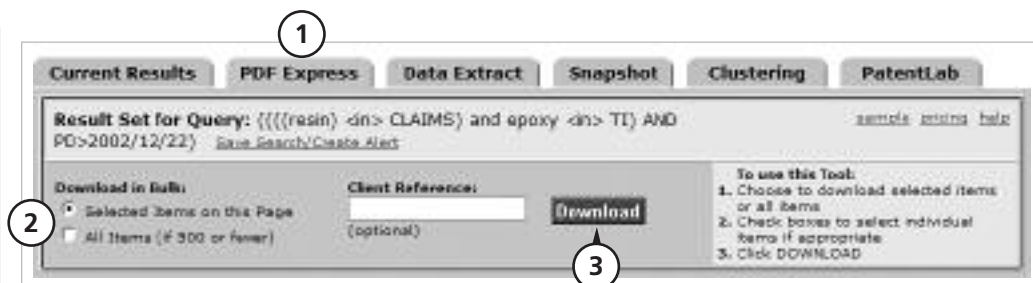


PDF Express

PDF Express is a bulk download tool that allows you to download as many as 500 PDFs at one time, all in one convenient zip file. The PDF Express zip file also makes it easy for you to store your patents in one place using a minimum of disk space.

USING PDF EXPRESS

- 1 From a query Result Set or a Work File, click the PDF Express tab.
- 2 Choose to download Selected Items on this Page, or All Items (if 500 or fewer).
- 3 Click Download.



When your zip file is ready, you will be prompted to either open the file directly or save it to your local disk.

HOW TO OPEN THE PDF EXPRESS ZIP FILE

You will need an unzip utility to open your PDF Express zip file. This applies whether you open the file directly from the download or save it to disk and then open it.

WHAT IS INCLUDED IN THE PDF EXPRESS ZIP FILE

The PDF Express zip file contains the PDFs you downloaded as well as a text file listing all of the patents in the zip file and any problems that may have been encountered with the patents. You can open the text file with any standard text editor or word processor.

BULK PRINTING FROM THE ZIP FILE

Windows® file folders allow you to print all (or selected) items from a folder in one print request. You can use this function to print all (or selected) PDFs from your PDF Express zip file at once.

Open the zip file and save the contents into a folder. Use Select All or Ctrl Click to select the ones you want to print. Then use the Print command, from the File menu.

PatentLab

PatentLab is an offline analytical and visualization tool that enables the creation of 3D graphs and charts comprised of your Result Set or a Work File. You can visualize relationships among large selections of patent data through a wide variety of customizable charts, graphs, tables, and reports.

The PatentLab software is free and can be downloaded from the PatentLab tab.

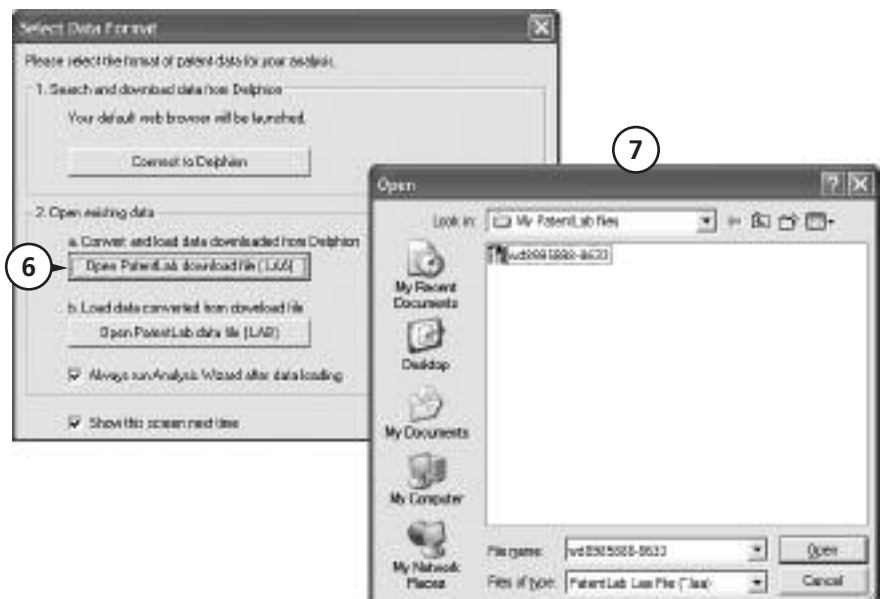
DOWNLOADING DATA FOR PATENTLAB ANALYSIS

- 1 From any query Result Set or any Work File, click the PatentLab tab.
- 2 Choose to have your PatentLab download include the first 500 records or all records in your query Result Set or Work File up to 20,000. At the same time, choose to analyze Biblio; Biblio plus Abstract; or Biblio, Abstract, and Claims.
- 3 Click Download.
- 4 Your PatentLab file downloads, and you are prompted to save it to your local drive.



USING YOUR PATENTLAB FILE

- 5 Launch the PatentLab software.
- 6 From the opening screen, select the Open PatentLab Download File (.LAA) button.
- 7 Locate and select the PatentLab data file you have downloaded.
- 8 The application converts the file for use by PatentLab.
- 9 A wizard launches to assist you in performing your analysis.

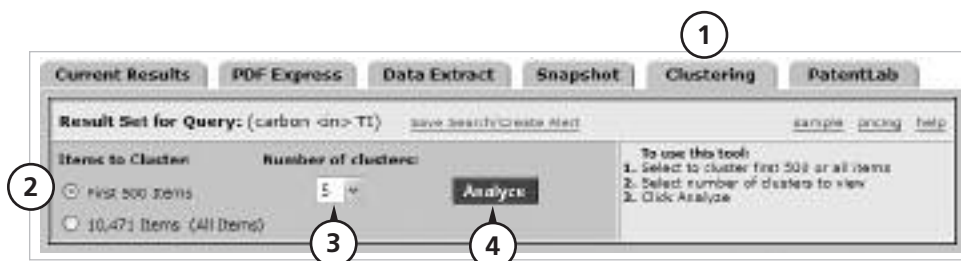


Text Clustering

Text Clustering is a data visualization tool that uses linguistic and relational technologies to analyze the patent documents in your Result Set or Work File, and groups them based on the key words found in the analysis. The linguistic analysis is applied to the title and abstract.

CLUSTERING A RESULT SET OR WORK FILE

- 1 From any query Result Set or any Work File, click the **Clustering** tab.
- 2 Choose the number of **Items to Cluster**.
- 3 Choose the **Number of clusters** you want created in your analysis.
- 4 Click **Analyze**. The Cluster Overview page displays.



THE CLUSTER OVERVIEW PAGE

The Cluster Overview page shows you the Cluster number that has been assigned to each cluster, the number of patents in each cluster, and the common keywords (descriptive words) that describe the cluster.

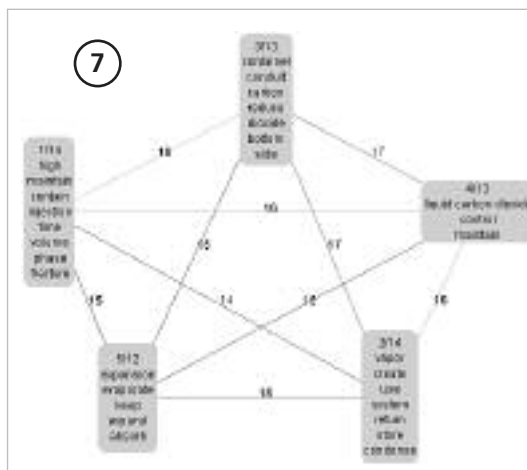
- 5 Click a Cluster number to view a list of the patents within that cluster.
- 6 Click the **Show Visual Map** link.

Cluster Overview 5 Clusters Show Visual Map

For Query: (carbon TI) 10471 of 3,291,281 matches found of which 500 are used

Cluster	Patents	Descriptive words
1	110	coating, form, carbon, substrate, surface, method, temperature, comprise, apply, composite
2	102	group, compound, formula, contain, use, disclose, process, invenion, comprise, STR1
3	100	process, contain, carbon dioxide, use, carbon monoxide, mixture, temperature, gas, reaction, separate
4	96	fiber, impregnate, material, carbonize, high, strength, process, carbon, carbon fiber, comprise
5	74	provide, apparatus, use, form, include, material, method, improve, carbon, heat

- 7 The Visual Map displays.



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