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Using Snapshot

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What Snapshot is:

Snapshot is a unique analytical tool that summarizes selected bibliographic patent data from a query Result Set or a Work File and creates a bar chart "snapshot" of the summary. You can then select specific summaries to continue to work with, allowing you to focus your research on only those patents or groups of patents that are most likely to meet your requirements.

Delphion Snapshot utilizes normalized names enabling a more useful Assignee analysis. When creating your Snapshot you can choose from three name normalized fields that will help you see relationships among patents that would otherwise not be apparent. (See [Name normalization of the Unified Company, Parent Company, and Ultimate Company fields](#) following for additional details on this feature.)

Snapshot works with both patent office data and Derwent World Patents Index data. Your Snapshots can contain a mix of both patent office and DWPI data.

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What to use Snapshot for:

Use it to analyze selected bibliographic data from a group of patents. You can immediately see which companies hold the most patents in a specific area, or who the top inventors are and where they reside. Or, search by IPC code and get a quick picture of how many patents are being filed each year for a given technology. You can then select specific summaries to continue to "drill in" and refine your results for further analysis.

Snapshots of Derwent data give you a truer picture of a technology's landscape because there is only one Derwent record per invention (no matter how many patents are actually filed).

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Interpreting Snapshot results:

Patent office results sometimes skewed

Because a single invention can be filed in multiple collections, Snapshot results can sometimes appear skewed when conducting cross-collection searches. Multiple occurrences are either a result of foreign filings or prosecution history.

For example, if R. Smith filed a patent for an invention in the US and then filed for a patent for the same invention in six other countries, a Snapshot of US patents would show one patent for R. Smith, but a cross-collection Snapshot could yield seven patents. All seven patents, however, are probably the same invention.

Using DWPI data would alleviate this problem because there is only one DWPI record per invention.

Combined patent office and DWPI results

When working with a patent office Result Set, you can request that DWPI fields be summarized. When you do this, the DWPI data in your Snapshot comes from the DWPI record corresponding to the patent.

Conversely, when working with a DWPI Result Set, you can request that patent office fields be summarized. In this situation, the patent office data in your Snapshot would be from the basic patent from which the DWPI record was created.

Only Snapshot fields that begin with 'Derwent' come from Derwent data. All other fields draw from the patent authority data; this applies to analyzing both patent authority Results data and Derwent Results set data.

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Fields available for summarization:

When choosing the data elements you want to summarize for your Snapshot, you can select a default set of four fields — the defaults for patent office data and Derwent data are different.

Default fields for patent office data:

- Applicant/Assignee
- Inventor
- IPC Class - 4-digit
- Publication Year

Default fields for Derwent data:

- Derwent Assignee Code
- Derwent Inventor
- Derwent Class (all)
- Publication Year

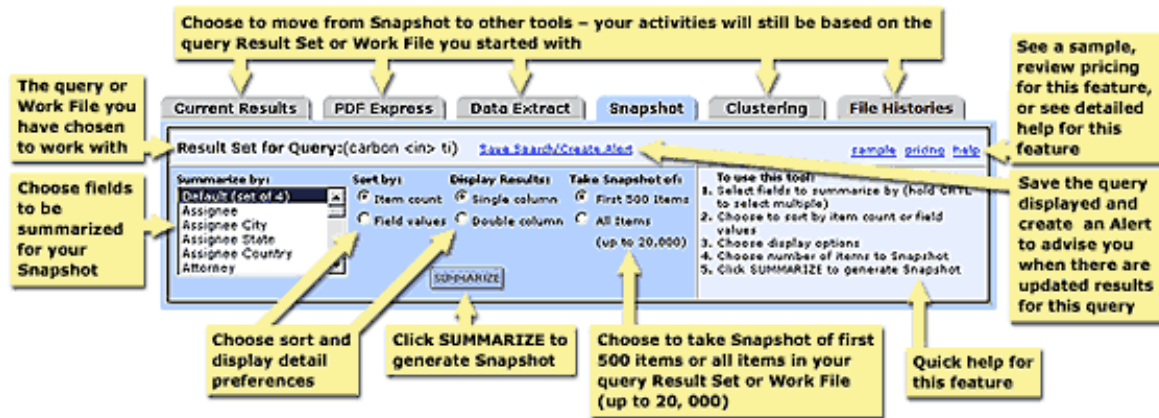
Following is the entire list of fields that can be summarized:

Assignee	IPC Code - 4-digit	US Forward Refs - all
Assignee City	IPC Code - full	Unified Company
Assignee State	Publication Year	Parent Company
Assignee Country	Publication Year/Month	Ultimate Company
Designated Country	Priority Year	Derwent Assignee Code
Application Year	Priority Year/Month	Derwent Inventor
Application Year/Month	US Assignee Code	Derwent Class - main
Attorney	US Class - 3-digit all	Derwent Class- all
Inventor	US Class - full	Derwent Manual Code
Inventor City	US Examiner	Derwent Update
Inventor State	US Maint. Status	
Inventor Country	US References - all	

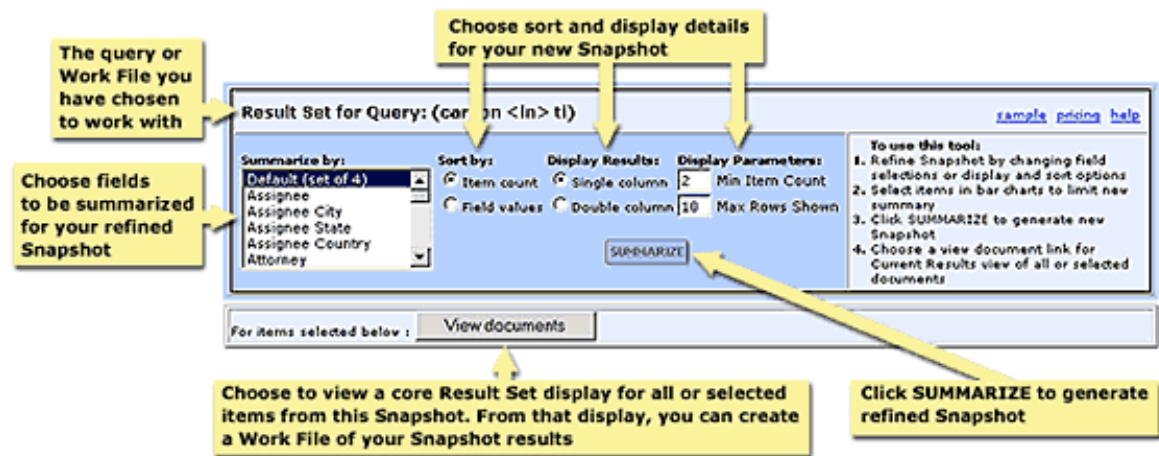
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Overview of the Snapshot control panel:

The following is a high-level overview of the control panel for Snapshot:



When your Snapshot displays, the control panel changes to offer you options for refining your request and generating a new Snapshot.



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How to create a Snapshot:

1. Click the **SNAPSHOT** tab on the fully-integrated Delphion Result Set interface.
2. Delphion displays the Snapshot control panel (shown following), the core display remains the Result Set or Work File you have already chosen to work with.

Current Results PDF Express Data Extract **Snapshot** Clustering File Histories

Result Set for Query:(carbon <in> ti) [Save Search/Create Alert](#) [sample](#) [pricing](#) [help](#)

Summarize by: **Default (set of 4)** Sort by: Item count Field values Display Results: Single column Double column Take Snapshot of: First 500 Items All Items (up to 20,000)

Assignee Assignee City Assignee State Assignee Country Attorney

SUMMARIZE

To use this tool:
 1. Select fields to summarize by (hold CTRL to select multiple)
 2. Choose to sort by item count or field values
 3. Choose display options
 4. Choose number of items to Snapshot
 5. Click SUMMARIZE to generate Snapshot

Collections searched: **US (Granted)**
 8,488 matches found of 2,890,299 patents searched Displaying results 1 - 20 of 8,488 (Display Limit 500)
 << First Page < Previous Page [Next Page](#) > Last Page >>

Order selected items as PDF

Add Selected Items to Work File: Create New Work File
 All Items (up to 20,000)

Buy Now	Select	Patent	Issued	Title	Score
<input type="checkbox"/>	<input type="checkbox"/>	US5523558	1996-06-11	Process for producing carbon fiber reinforced carbon composite material, carbon fiber reinforced carbon composite material and sliding material	84%
<input type="checkbox"/>	<input type="checkbox"/>	US6294252	2001-09-25	Precursor fiber bundle for production of a carbon fiber bundle, a process for producing the precursor fiber bundle, a carbon fiber bundle, and a process for producing the carbon fiber bundle	82%
<input type="checkbox"/>	<input type="checkbox"/>	US6287677	2001-09-11	Carbon fiber prepreg for wood reinforcement, wooden sheet laminated therewith, wood reinforcing composite comprising carbon fibers and the wooden sheet, and carbon fiber reinforced wood	82%

- Highlight the fields you want summarized in the **Summarize by** selection box. Hold Ctrl to select multiple fields. Each data field you select will be represented by a separate bar chart.
 - Choose to **Sort by** item count or field value.
 - Item count** yields a bar chart with the patents with the highest number of entries in that field shown first.

NOTE: Year fields are always shown in reverse chronological order.

 - Field values** sorts alphabetically or numerically depending on the type of data field selected.
- Choose to **Display Results** in **Single column** or **Double column**.
 - Choose to **Take Snapshot** of the **First 500 Items** or **All Items (up to 20,000)**.
 - Click **SUMMARIZE** to generate Snapshot.

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What a Snapshot looks like:

The Snapshot shown following was created with these parameters:

- From the query (carbon <in> ti)
- Summarized by two fields: Filed Year and IPC Class - 4 digit
- Sorted by item count
- Double column display

Select	Filed Year	Item Count	Percent	Bar Chart	Select	IPC Class- 4 digit	Item Count	Percent	Bar Chart	
<input type="checkbox"/>	2000	45	9.0%		<input type="checkbox"/>	C01B	66	10.1%		
<input type="checkbox"/>	1999	123	24.6%		<input type="checkbox"/>	B01J	44	6.7%		
<input type="checkbox"/>	1998	46	9.2%		<input type="checkbox"/>	B32B	38	5.8%		
<input type="checkbox"/>	1997	30	6.0%		<input type="checkbox"/>	C07C	30	4.5%		
<input type="checkbox"/>	1996	21	4.2%		<input type="checkbox"/>	B01D	23	3.5%		
<input type="checkbox"/>	1995	31	6.2%		<input type="checkbox"/>	H01M	23	3.5%		
<input type="checkbox"/>	1994	30	6.0%		<input type="checkbox"/>	C08G	20	3.0%		
<input type="checkbox"/>	1993	13	2.6%		<input type="checkbox"/>	D01F	20	3.0%		
<input type="checkbox"/>	1992	14	2.8%		<input type="checkbox"/>	C09C	19	2.9%		
<input type="checkbox"/>	1991	12	2.4%		<input type="checkbox"/>	C23C	14	2.1%		
(Past row 10 or below cutoff)				135	27.0	...	(Past row 10 or below cutoff)			
							356	54.5	...	

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How to refine a Snapshot:

When refining a Snapshot, it is important to remember that you are now working from a Snapshot and not from a whole query Result Set or Work File. The tabbed interface is no longer visible because the Snapshot only contains selected patent data fields — full patent records from a query Result Set or a Work File are required for the other tools.

Following is the control panel from a Delphion Snapshot display:

Result Set for Query: (carbon <in> ti) [sample](#) [pricing](#) [help](#)

Summarize by: Default (set of 4)
 Assignee
 Assignee City
 Assignee State
 Assignee Country
 Attorney

Sort by: Item count Field values

Display Results: Single column Double column

Display Parameters: Min Item Count: 2 Max Rows Shown: 10

For items selected below:

To use this tool:
 1. Refine Snapshot by changing field selections or display and sort options
 2. Select items in bar charts to limit new summary
 3. Click **SUMMARIZE** to generate new Snapshot
 4. Choose a view document link for Current Results view of all or selected documents

- From the control panel on a Snapshot screen, choose to change:
 - The fields in the **Summarize by** box
 - The Sort by** order
 - The number of columns in the **Display Results**
- Choose the **Display Parameters** for the rows in the bar charts.
 - Min Item Count** is the number of items that must be in a grouping for it to display as a row on the bar chart.
 - Max Rows Shown** is the number of rows of data displayed in your bar chart. At the end of each bar chart, there is a line item indicating the number of rows omitted because of the parameter set in this field.
- Click **SUMMARIZE** to generate a refined Snapshot.

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How to view patent records from a Snapshot:

To view *selected* patent records,

- From the Snapshot bar chart display, check to select the items for which you want to see documents.
- Click **View documents**.
- Delphion displays the Selected Snapshot items page with the selected records shown in the Result Set display format.

NOTE: Your selected Snapshot items are the equivalent of a "new" Result Set and, because you are now, once again working with a Result Set, the tool tabs are again visible and you can choose to move to other tools with this "new" Result Set. You can also purchase patent records, create Work Files, or display the Delphion Integrated Views or Derwent records (if this is a Derwent Result Set) for selected items.

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Name normalization of the Unified Company, Parent Company, and Ultimate Company fields:

Name normalization has two facets. The first is a simple combination — or *normalization* — of different representations of the same name, like *IBM* and *International Business Machines*. When normalization is used, one search will find both versions of the name as well as misspellings, etc.

The other very important facet of name normalization is the grouping of companies related by merger, acquisition, etc. Companies related in this manner are *unified* for the purpose of giving you a complete picture of the entire organization's patent activity.

Name normalization applies to US, EP and PCT Patents and Patent holders. It covers approximately 1,000 of the top patent holders.

The decision to unify is based on the patent activity and the relationships of the covered companies:

- Companies or business units that have had more than 40 US patents issued in the last five years will be covered under a Unified Company name.
- When an operating unit or subsidiary exists, but does not have more than 40 patents, it is covered under its parent Unified Company name.
- Parent Company and Ultimate Company names show the linkage between operating units and subsidiaries. Patent activity for Unified Companies roll up into their Parent and Ultimate Company names.
- When a merger or an acquisition takes place, the merged companies are kept under a Parent Company or Unified Company name so that they can still be separately tracked.
- When a subsidiary or operating unit exists, but does not patent under a separate name, its patents are carried under the parenting name.

Three name normalized fields are included in your summarization options for Snapshot, these fields all *reference* the Assignee/Applicant data:

Field	Normalized?	Unified?	Explanation
Ultimate Company	Yes	Yes	Ultimate Company is at the highest level and could be a holding company. An example is an entity like AOL Time-Warner, Inc.
Parent Company	Yes	Yes	Parent Company is a stand-alone business unit or company that others report to. An example is AOL itself. A parent company could also include some joint ownerships.
Unified Company	Yes	Yes	Unified Company is simply a company that has enough patent activity to warrant the combining of all variations of its name.

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