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Gulf between theory and practice

“A major market research project was recently carried out on behalf of Derwent Information. This extensive survey revealed that in Europe there are major contradictions between the theoretical value that companies place on patents and their management of this vital business resource in practice. This can lead to massive patent litigation costs and wasted R&D expenditure—both potentially fatal not only to small, but also large corporations.

“Surprisingly, senior management in the large companies were less aware of the situation than their counterparts in smaller corporations. While 89% of respondents recognize the value of protecting a company’s intellectual property through patents, 80% say they have been involved in litigation.

“The survey of U.S. corporate patenting activity revealed that 91% of respondents believe that patents are important to the R&D process. Despite this, 90% of respondents are working in companies that have been involved in patent litigation at some stage.

Patent files from Derwent

“Whatever your R&D requirements, there are databases on STN that can help you achieve your goals. Derwent World Patents Index (WPINDEX, WPIDS), for instance, covers patents from 40 patent issuing authorities which are conveniently arranged in “patent families.” It covers all technologies and includes abstracts from the original patent document prepared by Derwent subject specialists. Other Derwent databases are specifically targeted at different technologies and include: Derwent Patent Citation Index (DPCI), a unique database containing Examiner citations appearing in patents from 6 major patenting authorities; Derwent Geneseq (DGENE), a unique database covering nucleic acid and amino acid sequences; and Derwent Biotechnology Abstracts (BIOTECHABS, BIOTECHDS) covering all aspects of biotechnology, from genetic manipulation to downstream processing.”

—Written for FIZ Karlsruhe by Derwent staff.

Patent information as a key tool in the R&D process

“Effective research and development in today’s competitive and budget-constrained environments means that companies need to make sure of their position before embarking on a new project. All too often great ideas are not necessarily original ideas, and companies must ensure they are not duplicating research.

“Patents can be used to quickly establish what the competition has been doing in any particular area of interest. This may uncover a technology that would be especially useful to your industry, one that could perhaps be licensed, saving time and expense in development costs. Similarly, it may be possible to identify companies that could make use of technologies that you may have perfected, with licensing agreements that favor you.
Patent family data in CAplus

And now, with the addition of patent family information to CAplus, this file is not only exceptionally current (updated daily) but also with more patent data than ever before.

You can search patent information not only for the “basic” patent, i.e., the patent document selected and abstracted by CAS, but also for any other patent document in the family that CAS encounters.

This powerful enhancement allows you to use CAplus to:

- find a patent document for an invention in a language that you can read
- find patent documents published only in certain countries
- monitor additions to patent families

You can also easily obtain information on a patent family directly in CAplus. For example, in cases of “extended” patent families, i.e., when more than one CAplus record is associated with a patent family, you can obtain abstracts and indexing for all the CAplus accession numbers associated with the family.

How can STN help?

STN is a potent source of patent data providing easy access to:

- bibliographic data
- legal status data
- application and publication dates
- year in which a patent was granted
- inventor and assignee names
- priority information
- patent family information
- opposition data
- abstracts
- claims
- index data
- graphical data
- full text

Count on STN to give you access to data that will help you:

- obtain technical details from images and drawings
- find new areas of research
- detect early indications of market or technical trends
- determine what has already been invented in the field of research you’re considering
- uncover information about how your competition is doing

Key databases/versatile features

The table on page 4 outlines the many key patent databases on STN as well as a list of the very versatile STN features that will enable you to quickly retrieve the patent information you need.

TRANSFER/ANALYZE: a great combination

With TRANSFER you can efficiently obtain information for any patent in the family, not just the CA basic patent, in other STN files. For example, if you want to obtain full text of US patents in an answer set, use TRANSFER to extract patents from a CAplus answer set and search them in USPATFULL where you can obtain the complete text and graphics of US patents online.

With ANALYZE you can quickly obtain a statistical analysis of results.

In the 60 million worldwide patent records on STN you can discover an answer to all of your patent questions:

For example, you can ANALYZE all patent countries, not just the patent country for the CA basic patent.

The TABULATE command enables you to create a two-dimensional table display of an L-number containing terms extracted with the ANALYZE command. This data can then be easily loaded into spreadsheet programs.

See the Search Tip in this issue for examples using ANALYZE and TABULATE.

In the 60 million worldwide patent records on STN you can discover an answer to all of your patent questions:

- What is the prior art on the topic of transdermal delivery?
- What patent family information is available for U.S. patent 5792624?
- Which companies are applying for patents in the area of gene therapy?
- Are there any English-language equivalents for Chinese patent 1138998?
- What is the expiration date of EP patent 490991 that deals with oral treatment of diabetes?

Does your interest lie in prior art, patentability, infringement, interference, legal status, or patent families and equivalents? STN has the databases and search features you need.
# Patentability and STN

### STN provides relevant files & powerful features

<table>
<thead>
<tr>
<th>Critical Questions</th>
<th>Relevant Files</th>
<th>Powerful Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the current state-of-the-art?</td>
<td>APIPAT/APIPAT2, CAPLUS, CEABA, CROPU, DPCI, DRUGPAT, EUROPATFULL, IFIPAT, IFIUDB, INPADOC, INPAMONITOR, JAPIO, MARPAT, PAPERCHEM/PAPERCHEM2, PATDD, PATDPA, PATOSDE, PATOSEP, PATOSWO, PIRA, RAPRA, REGISTRY, TULSA/TULSA2, USPATFULL, WPINDEX/WPIDS, and many more</td>
<td>CASLINK, citation searching, crossover, DUP REMOVE, INDEX, IPC thesaurus, Markush searching in MARPAT, patent family searching, patent family sorting &amp; display, ANALYZE, TRANSFER, TABULATE, super search fields, patent superfields, SDI, SMARTTracker, STN/Derwent patent formats, STN Express with Discover!, STN Easy</td>
</tr>
<tr>
<td>When is key technology coming off patent?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

With STN’s large collection of indexed, full text, and patent image data, there’s no reason to go elsewhere!

—See the “Ask REGgie,” “Power Up,” “Search Tip,” “STN Expressway,” “STN Easystreet,” “Take Note,” and “STN Seminars” sections of this issue for additional information about how STN can support your patent searching—
Interview with Dr. Andy Berks, Principal Information Scientist

STNews: Andy, thank you for taking the time to talk with us today. Would you give us a little background concerning Wyeth Ayerst?

Andy: Wyeth-Ayerst has several major research sites, where research revolves around drug and vaccine discovery, development, and manufacturing.

I am a member of the Published Information group, which consists of several searchers, four of whom are chemists. The Published Information group provides search assistance for approximately 3,500 in Wyeth-Ayerst Research. Clients include researchers in the lab, attorneys, and various other groups.

STNews: What sort of questions do you handle on a regular basis?

Andy: We, particularly the chemists in Published Information, do a lot of patent searches involving fragmentation coding and Markush queries. When clients want to know the patent status of a prospective compound, they are likely to give us a Markush structure and we do a prior art search on it.

STNews: How do your clients contact you?

Andy: Many ways, including personal visits, E-mail, fax, telephone—we're very flexible.

STNews: Do you actively promote your search services?

Andy: Yes, we have a number of marketing activities. Much of the information is communicated via our intranet, which our division developed, implemented, and manages. We also conduct open houses from time-to-time and tours of the library are popular. A series of educational seminars on patents and chemistry will be reinstituted soon.

We also make it a practice to personally contact clients to keep our finger on the pulse of their information needs. And we attend product discovery team meetings so that we can tailor information products for clients.

STNews: How does STN support your search activities?

Andy: Of the chemical database producers, CAS and STN are key because they provide a high-quality product. We use STN all the time. And the new features you've introduced are great. I've particularly enjoyed the ease of using TABULATE during pre-release testing.

We get questions occasionally from Licensing or Product Development groups where they are looking for areas in which they think we should be working. We do a search, and then tabulate by company, technology, and country. The client gets a quick view of who is working in the field. With TABULATE, information gathering and analysis takes place in a matter of minutes. We export the results to EXCEL and make presentation-quality graphics.

STNews: Andy, that's great to hear. Thanks again for sharing your comments with our readers.
ABC der Deutschen Wirtschaft (ABCD) and ABC Europe Production (EUROPEX)
—files reloaded and new field added
ABCD and EUROPEX have been reloaded and now include the Uniform Resource Locator (URL) field. Both word and phrase indexing with implied (S) proximity provide convenience and flexibility when using Internet addresses or parts thereof as search terms.

Hot links, giving you point-and-click access from ABCD and EUROPEX to cited addresses on the Internet, are available in the URL field while using STN Express with Discover!

Biocommerce Abstracts and Directory (BIOCOMMERCE)
—added to clusters
This file has been added to the following clusters:

- ALLBIB
- BIOLOGY
- BUSINESS
- CHEMISTRY
- COMPANIES
- ENVIRONMENT
- HEALTH
- PHARMACOLOGY
- TOXICOLOGY

COMPEXED
—German thesaurus terms now searchable
Previously only the English thesaurus terms were searchable in the /CTDE field. A new feature allows users to search in this field with the German term.

Biocommerce Abstracts and Directory (BIOCOMMERCE)
—added to clusters
This file has been added to the following clusters:

- ALLBIB
- BIOLOGY
- BUSINESS
- CHEMISTRY
- COMPANIES
- ENVIRONMENT
- HEALTH
- PHARMACOLOGY
- TOXICOLOGY

CAplus
—AP journals received in electronic form
CAS has signed an agreement with Academic Press (AP) in which CAS will receive journals from AP in electronic form. This agreement will allow CAS to acquire the data prior to the journals’ print publication date thus reducing the time it takes to deliver this information to users of CAplus by as much as 10 days.

CHEMLIST
—EINECS Corrections added
EINECS Corrections (in ENGLISH), have been added to CHEMLIST. Enter HELP EINECS for more information.

Derwent World Patents Index (WPINDEX)
—open access to electrical and engineering indexing
Derwent has granted open access to electrical and engineering indexing (previously available only to subscribers).
EMBASE ALERT (EMBAL)  
—updated daily and variable SDIs available  
EMBAL is now updated daily. Variable SDIs, daily, weekly, and biweekly, are available. Weekly is the default. See HELP COST for price information.

EVENTLINE  
—new producer information  
Following is new producer information:  
Excerpta Medica  
Eventline  
Rooseveltweg 15  
NL 1314 SJ Almere  
The Netherlands  
Phone: (+31) 36 538 5609  
Fax: (+31) 36 538 5656  
E-mail: lkampers@excerptamedica.com

Foodline: Food Science and Technology (FROSTI)  
—added to clusters  
This file has been added to the following clusters:  
AGRICULTURE ENVIRONMENT  
ALLBIB HEALTH  
AUTHORS TOXICOLOGY  
BIOSCIENCE

Foodline Market Data (FOMAD)  
—new file coming soon  
Additional information will be available shortly.

Foodline Regulations and Legislation (FOREGE)  
—new file coming soon  
Additional information will be available shortly.

Geological Reference (GEOREF)  
—Document Type AB/D T reinstated
Document Type AB/D T has been reinstated in this file and is available in the entire file.

German Patent Database (PATDPA)  
—file redesigned  
This database has been extensively redesigned and it is recommended that users acquaint themselves with the new interface and other changes at the same time they review their SDIs, saved queries, and saved answer sets.

Changes include:  
• PASSAT term generation will be discontinued  
• Simultaneous right- and left-hand truncation will be available in the Basic Index  
• The record Accession Number is no longer a weekly serial number— it is now the patent number  
• All EP and WO documents included from week 31/98 with German summaries  
• Legal status data for EP applications from week 31/98  
• Supplementary Protection Certificates (SPCs) included  
• More main claims  
• More searching for agents and opponents  
• Enhanced SDI filters (new update date fields)  
• EP data will be recorded or updated only a few days after publication (vs. current 5 days)  
• WO data will be recorded a few days after publication (vs. 5 weeks)  
• Family application (/FAP) and family patent number (/FN) are searchable.

Refer to the revised database summary sheet in STNGUIDE and on the WWW for more information.
**Database News**

**IMSworld Files**

**IMSworld Drug Launches (DRUGLAUNCH), IMSworld Drug Monographs (DRUGMONOG, DRUGMONOG2), IMSworld R&D Focus Drug News (DRUGNL), IMSworld Drug Patents International (DRUGPAT), IMSworld R&D Focus (DRUGUPDATES)**

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**MEDLINE**

—file reloaded

The MEDLINE file has been reloaded to reflect the annual MeSH (Medical Subject Headings) changes made by the National Library of Medicine (NLM) for 1999. For details, see the HELP RLOAD message. LEMEDLINE has also been reloaded.

**Pharmaprojects (PHAR)**

—more clinical data and three new fields added

As part of the ongoing improvement in the accuracy and scope of information provided by Pharmaprojects, additional clinical information is being added to the PHAR database. The new data extends the clinical coverage of PHAR and provides further analysis of the clinical development of key drugs.

The additional clinical data provides more in-depth information from over 500 referenced sources. It features expanded reports on non-pivotal Phase I, II, and III trials, as well as pharmacokinetics, side-effect profiles, and adverse drug reactions.

The new data also include information on post-marketing studies and quality of life and pharmacoeconomic data.

A new Indication (CT) field is available that allows you to find specific diseases or conditions and the compounds that are being investigated to treat them. Up to ten indications can be assigned to each active product.

A new Origin of Material (ORGM) field allows you to identify the origination of a drug as broadly or specifically as desired for categories of drugs that could not be previously identified.

A new Route of Administration (RTE) field allows you to search for drugs that are delivered to the patient by a specific route.

Single words from each of the new fields are also searchable in the Basic Index. All three are selectable and sortable fields.

See the revised database summary sheet on the WWW and in STNGUIDE. The revised sheet is also included with this issue of STNews.

**Predicasts Overview of Markets and Technology (PROMT)**

—one new field added

The Ticker Symbol (TICK) field has been added to PROMT. The symbols may be searched in the /TICK field or in the Basic Index. The symbols display in the Company (CO) field. The symbols are selectable and sortable.

See the revised database summary sheet in STNGUIDE and on the WWW for additional information.

---

In most cases, 9 years of data have been added to the Product Monograph universe in these files for the following countries:

- Belgium
- Bulgaria
- France
- Israel
- Luxembourg
- Norway
- Poland
- Slovak Republic
- Slovenia
Packaging Science and Technology Abstracts (PSTA)
—removed from STN
This file has been removed from STN.

SESAME
—removed from STN
This file has been removed from STN.

1999 STN Database Wall Chart
—now available
The wall chart listing all of the STN databases and clusters has been updated. Contact Customer Service for your FREE copy.

Line length extended
The default for the line length on STN has been changed from 74 to 80 characters. Enter HELP SET LINE for more information.
What’s the best way to search Markush structures?

Q. I need to know if there are patents for substances with a common substructure of interest. Is there an easy way to search this on STN?

A. YES—MARPAT and MARPATprev have the Markush structures you need and CASLINK will automatically conduct your search in the MARPAT files and REGISTRY.

When you need to conduct comprehensive Markush structure searches for patents, don’t forget the MARPAT and MARPAT prev files. The Registry file contains specific structures for indexed substances. The MARPAT and MARPAT prev files contain searchable Markush structures representing many substances that might have been claimed in patents. Searching MARPAT very often uncovers patents that you would not find by searching only the specific compounds in Registry.

CASLINK on STN offers you one-step structure-based patent searching. Searching CASLINK is quick, easy, and cost-effective. Just enter your structure fragment and you automatically retrieve all the literature and patent references in CAS files to specific or Markush substances. Structure searches are automatically conducted in Registry, MARPAT, and MARPAT prev followed by an automatic search for all the references. In CASLINK you can also easily refine your structure-based searches by subject or bibliographic terms. For example, you can limit your search only to patents.

Take a look at the following example to see just how easy and powerful Markush structure searching can be with CASLINK.

Find patents on substances with the following common substructure:

\[
\begin{align*}
\text{NH}_2 & \quad \text{SO}_2 & \quad \text{Ph} \\
\text{N} & \quad \text{Ph}
\end{align*}
\]
Enter the CASLINK cluster.

Build the structure in STN Express (or with the STRUCTURE command).

Upload the structure from STN Express (L1).

Conduct a sample substructure search. A sample substructure search is automatically performed in Registry and MARPAT.

Conduct a FULL substructure search. The following steps are automatically performed in CASLINK:

• search of the full Registry file
• search of the full MARPAT file
• search of the full MARPAT PREV file

=> FILE CASLINK

FILES 'REGISTRY, MARPAT, MARPAT PREV, CAPLUS' ENTERED...

ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGE TERMS FOR DETAILS.

4 FILES IN THE FILE LIST

CLUSTER ‘CASLINK’ ENTERED

Predefined command sequences will be executed in REGISTRY, MARPAT, MARPAT PREV, and CAPLUS.

=> Uploading "cox" in the current file

L1 STRUCTURE UPLOADED

=> S L1

S L1 SSS SAM FILE=REGISTRY
SAMPLE SEARCH INITIATED 14:31:27 FILE ‘REGISTRY’
SAMPLE SCREEN SEARCH COMPLETED - 84 TO ITERATE
100.0% PROCESSED 84 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1131 TO 2229
PROJECTED ANSWERS: 5 TO 234

L2 5 SEA SSS SAM L1
1 FILES SEARCHED...

S L2 SSS SAM FILE=MARPAT
SAMPLE SEARCH INITIATED 14:31:30 FILE ‘MARPAT’
SAMPLE SCREEN SEARCH COMPLETED - 46 TO ITERATE
100.0% PROCESSED 46 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.14

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 513 TO 1327
PROJECTED ANSWERS: 4 TO 200

L3 4 SEA SSS SAM L1
1 FILES SEARCHED...

=> S L1 FULL

S L1 SSS FULL FILE=REGISTRY
FULL SEARCH INITIATED 14:31:55 FILE ‘REGISTRY’
FULL SCREEN SEARCH COMPLETED - 1632 TO ITERATE
100.0% PROCESSED 1632 ITERATIONS 76 ANSWERS
SEARCH TIME: 00.00.01

L4 76 SEA SSS FULL L1
1 FILES SEARCHED...

S L4 SSS FULL FILE=MARPAT
FULL SEARCH INITIATED 14:31:57 FILE ‘MARPAT’
FULL SCREEN SEARCH COMPLETED - 1013 TO ITERATE
100.0% PROCESSED 1013 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.30

L5 18 SEA SSS FULL L1
1 FILES SEARCHED...

S L5 SSS FULL FILE=MARPAT PREV
FULL SEARCH INITIATED 14:32:29 FILE ‘MARPAT PREV’
FULL SCREEN SEARCH COMPLETED - 3 TO ITERATE
100.0% PROCESSED 3 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.03

L6 0 SEA SSS FULL L1
Search for references in CAplus citing the substances in Registry.

Create one answer set with MARPAT and CAplus references citing the structures.

Limit the answer set (L8) to patents only.

Display some answers.
Patent family information and current-awareness searches in CAplus

With the addition of patent family information to CAplus, take advantage of new options in your current-awareness patent searches. Because you can now search the patent data not only for the CA basic patent but also for other family members, you can ask questions that you couldn’t ask before:

• Monitor patent families with patents published in more than one patent country

Simply search the patent country codes in the Patent Country (/PC) field.

• Monitor any updates to patent families

To monitor updates to patent families, enter the new UPP (Update Patent Family) field code at the prompt for update field code in the SDI command.

• Monitor only newly added patents

To monitor only additional CA basic patents, rather than additions to families, search the patent data with .B appended. For example, to monitor CA basic patents published in 1999, search 1999/PD.B where PD.B is the field code for the patent date for the basic patents.

And find the exceptional currency of patent data in the CAplus file. The file is updated daily, so your SDIs can be run daily and delivered to your electronic mailbox.

To monitor patent families with patents published in more than one patent country

=> FILE CAPLUS
=> $ JP/PC AND (US OR EP)/PC
   1510354 JP/PC
   566724 US/PC
   291773 EP/PC
L1      345185 JP/PC AND (US OR EP)/PC
=> SDI L1

Create the SDI.

To monitor any additions to the families

=> FILE CAPLUS
=> $ RICOH/PA
L1      13263 RICOH/PA
=> SDI
ENTER QUERY L# FOR SDI REQUEST OR (END): L1
ENTER UPDATE FIELD CODE (UP) OR ?: UPP
ENTER SDI REQUEST NAME, (AA080/S), OR END:
ENTER COST CENTER (NONE) OR NONE:
ENTER TITLE (NONE):
ENTER METHOD OF DELIVERY (OFFLINE), ONLINE, EMAIL, OR FAX: EMAIL
ENTER SDI RUN FREQUENCY - DAILY, (WEEKLY), BIWEEKLY, OR ?: DAILY
ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE):
QUERY L1 HAS BEEN SAVED AS SDI REQUEST 'AA080/S'

Create the SDI.

To monitor new CA basic patents for a patent assignee

=> FILE CAPLUS
=> $ RICOH/PA AND 1999/PD.B
   13263 RICOH/PA
   9106 1999/PD.B
L1      12 RICOH/PA AND 1999/PD.B
=> SDI
ENTER QUERY L# FOR SDI REQUEST OR (END): L1

Create the SDI.
ANALYZE and TABULATE

The ANALYZE and TABULATE commands offer powerful tools for extracting, analyzing, and tabulating patent information. With ANALYZE you can, for example, do a statistical analysis of all the patent countries, not just the patent country for the CA basic.

For a more sophisticated two-dimensional analysis, use TABULATE.

TABULATE allows you to create an easy-to-read two-dimensional table of analyzed data.

Using TABULATE, you can create data to be loaded into spreadsheet programs.

EXAMPLE

Question: in what countries has the Ricoh company applied for the most patents since 1998?

=> FILE CAPLUS
=> S RICOH/PA AND PD.B>=1998
   13263 RICOH/PA
   680809 PD.B>=1998
   (PD.B>=19980000)
L1 584 RICOH/PA AND PD.B>=1998

=> ANALYZE L1 PC 1-
L2   ANALYZE L1 1- PC :       6 TERMS
=> D
L2   ANALYZE L1 1- PC :       6 TERMS

TERM #   # OCC  # DOC  % DOC PC
------  ------ ------ ------ --------------
1     590    575  98.46 JP
2      23     20   3.42 US
3       5      5   0.86 DE
4       5      5   0.86 EP
5       5      5   0.86 FR
6       2      2   0.34 GB
******** END OF L2 ********

EXAMPLE

Question: what companies hold the most patents and in what countries on Bacillus thuringiensis, useful in biological insect control?

=> FILE CAPLUS
=> S THURINGIENSISS
   4027 THURINGIENSISS
   2421253 P/DT
L4 533 THURINGIENSISS AND P/DT

=> ANALYZE PA PC 1- L4
L5   ANALYZE L4 1- PA PC :       390 TERMS

Enter your search profile.

ANALYZE patent countries (PC).

Display the 10 most frequently occurring terms.

Enter CAplus and conduct your search.

ANALYZE all the answers (1-) for patent assignees (PA) and patent countries (PC).
Search Tip

Enter TABULATE and answer the prompts; the non-grid (column) format is chosen.

Use Patent Assignee as the primary code.

Use Patent Countries as the secondary code.

The table listing each Patent Assignee (PA) with the patent countries (PC) is displayed.

Enter TABULATE DELIMITED at this prompt to reformat the same fields in the delimited format for downloading.

Enter N to exit the TABULATE command without further reformatting.

=> TABULATE
ENTER ANALYZE OR SELECT L# (L5): L5
DISPLAY AS GRID FORMAT (N), Y, OR ?: N
ENTER PRIMARY DISPLAY CODE OR (?): PA
ENTER SECONDARY DISPLAY CODE OR (?): PC
DISPLAY PRIMARY (TOP 10), ENTIRE OR ?: 
DISPLAY SECONDARY (TOP 10), ENTIRE OR ?: 
PRIMARY SORT ORDER (CURRENT), DOC, ALPHA, OR ?: 
PRIMARY SORT DIRECTION (DEFAULT), A, D, OR ?: 
SECONDARY SORT ORDER (CURRENT), DOC, ALPHA, OR ?: 
SECONDARY SORT DIRECTION (DEFAULT), A, D, OR ?: 
A FEE WILL BE CHARGED. PROCEED? (Y), N, OR ?: Y

L5          ANALYZE L4 1- PA PC :  390 TERMS
(AFTER EDITS : 388 TERMS)

<table>
<thead>
<tr>
<th>TERM #</th>
<th>DOC</th>
<th>% DOC</th>
<th>PA</th>
<th>PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>65</td>
<td>12.20</td>
<td>MYCOGEN CORP., USA</td>
<td>US</td>
</tr>
<tr>
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<td>9.19</td>
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<td>3.00</td>
<td></td>
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<tr>
<td>11</td>
<td>2.06</td>
<td></td>
<td></td>
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<tr>
<td>11</td>
<td>2.06</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>8</td>
<td>1.50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>0.94</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

. . .

31     | 8   | 1.50 | NOVO NORDISK ENTOTECH, INC., USA| AU |
| 7     | 1.31|       |             |    |
| 7     | 1.31|       |             |    |
| 6     | 1.13|       |             |    |
| 6     | 1.13|       |             |    |
| 5     | 0.94|       |             |    |
| 2     | 0.38|       |             |    |
| 2     | 0.38|       |             |    |
| 1     | 0.19|       |             |    |
| 1     | 0.19|       |             |    |

33     | 8   | 1.50 | PLANT GENETIC SYSTEMS N. V., BELG.| EP |
| 8     | 1.50|       |             |    |
| 7     | 1.31|       |             |    |
| 7     | 1.31|       |             |    |
| 7     | 1.31|       |             |    |
| 5     | 0.94|       |             |    |
| 3     | 0.56|       |             |    |
| 3     | 0.56|       |             |    |
| 1     | 0.19|       |             |    |
| 1     | 0.19|       |             |    |

REFORMAT USING SAME DISPLAY FIELDS? (N), Y, OR ?: TABULATE DELIMITED

. . .

REFORMAT USING SAME DISPLAY FIELDS? (N), Y, OR ?: N
Patent searching support from Discover!

If you need access to patent information but you're not a patent searcher, you can turn to STN Express with Discover! for help with patent search and display features. Discover! will help you find patent information starting with:

- a patent number
- a patent application number or priority number
- a patent subject
- an inventor name
- a patent assignee

You don't need to know the search field codes to obtain patent records using these search terms. The wizards of Discover! will guide you. And once you've found the correct patent record, Discover! will help you determine the appropriate information to display—fast, easy, and cost effectively.

For example, to find information for U.S. patent 5151038, enter the patent file of choice. In this example, we've entered the WPINDEX file. Use the FILE command to enter the file or use the “Select a Database” wizard.

Click on the Discover! button and choose Search by and Patent Number. You may see a screen that provides information about the Patent Number wizard. You can go on to the Patent Number wizard with the option of bypassing this informational screen in the future.

The STN Patent Number Search Wizard is displayed. Enter the patent number with the country code, US5151038. Click Next>.
You may want to choose the TRIAL format that contains the patent title plus indexing. This display format provides you with the most information you can get at no charge in the WPINDEX file. This will help you determine if you have the correct patent record. Note that you have an option to turn on an automatic display cost warning to provide you with display cost information before you proceed.

The wizards of Discover! will guide you.

Discover! displays a list of patent numbers around the number you entered for you to cost-effectively determine whether or not the patent record exists in the file. The list shows the number of occurrences of each patent number in the database. The 1 indicates there is one answer that contains this number. Click Search to continue.

When the search is completed, a screen displays indicating how many answers have been retrieved. Click Next to continue to display options. The display wizard allows you to choose between Basic and Advanced display format options. Display formats that are free of charge are indicated in the Basic display. Click on Display to display the patent record in the TRIAL format.
You'll find STN Express with Discover! to be a great help in assisting you with finding patent information whether you're new to patent searching or new to STN.

This is the patent you were looking for. Click on Close to return to the display wizard. Then choose a more complete display format, such as IALL for the complete patent record with completely spelled out field labels.

The format you choose is displayed.
Finding patent data on the World Wide Web

Searching for patent information on the World Wide Web is not a problem when you use STN Easy, located at http://stneasy.cas.org. In the Intellectual Property category, you can search for patents in 9 databases: CAplus, DPCI, EUROPATFULL, IFIPAT, INPADOC, JAPIO, PATDPA, USPATFULL, and WPIndex.

If you are new to searching or just want help getting started, the STN Easy Quick Tip "Patent Number Lookup" (see Quick Tips button on the homepage) provides step-by-step help. The following is a replication of the patent Number Lookup instructions— it truly is "STN Easy!"
STN Easy Patent Number Lookup Quick Tip—continued

7 An alphabetical list of patent numbers appears.
Select all entries containing the patent number.
Tip: To select multiple entries, hold down the Ctrl key and click on the entries.

8 Click Search.

9 In the Search Results window, select the answer set of interest.

Search Results window to see the records retrieved.
Click to place a checkmark in the box associated with the titles of interest.
Note: When only one record is retrieved, the checkbox is automatically marked.

10 Click Display.

Back To STN Easy Quick Tips Index

CAS Home | About STN Easy | About STN
Materials that support your searching for patents on STN

There are some excellent materials available in print and on the Web:

**Quick Reference Guide/Cards**
- Patent Searching on STN Quick Reference Guide
- How to Search for Patent Information in the WPI Files Quick Reference Card
- ANALYZE and TABULATE Quick Reference Card
- Crossfile Searching with the TRANSFER Command Quick Reference Card
- Command Comparison Chart for DIALOG® and STN® Quick Reference Card
- Command Comparison Chart for ORBIT® and STN® Quick Reference Card

**STNotes**
- Family SEARCH and Family SORT STNote No. 2
- Crossfile Searching with the TRANSFER Command STNote No. 16
- ANALYZE and TABULATE Commands STNote No. 17
- Patent Family Information in CAplus STNote No. 19

In addition to being available in print, the Quick Reference Cards and Guides as well as STNotes are available on the Web. Check the STN documentation at [http://www.cas.org/ONLINE/STN/doc.html](http://www.cas.org/ONLINE/STN/doc.html).

For information on CAS patent coverage and indexing, you can refer to the booklet Patent Information from CAS available in print for a small fee or on the Web at [http://www.cas.org/ONLINE/UG/patentmanual.pdf](http://www.cas.org/ONLINE/UG/patentmanual.pdf).
Workshops for new STN searchers

Introduction to Online Searching for Chemistry (Intro/Chemistry)
Learn to use the basic STN command language to search the REGISTRY and CAplus databases for chemical information. You will learn to:
• Use chemical names and molecular formulas to find references to a chemical substance
• Find work on a specific subject
• Find research written by a particular author or from an organization of interest

STN Basics I (Basics I)
If you’re new to command line searching and you want to learn to search databases using keywords, this seminar is for you! You’ll find out how to:
• Use the basic STN commands
• Conduct a search using a basic search strategy
• Construct effective word search queries
• Find research written by a particular author or from an organization of interest

STN Basics Using Discover! (Basics/Discover!)
This seminar is designed for customers who are new to STN and plan to use the STN Express wizards as their search interface. Learn how to use Discover! wizards to:
• Choose relevant databases
• Search using an author name, organization name, or subject term
• Find chemical substance information

Structure Searching with STN Express (Structure/Express)
This seminar is the starting point for both new and experienced searchers who need to learn structure searching. Learn how to:
• Build chemical structures using STN Express software
• Find exact and substructure matches of substances in the REGISTRY file
• Find related substance references in the CAplus file
Prerequisite: Intro/Chemistry or equivalent experience

Workshops for experienced STN searchers

STN Basics II (Basics II)
This seminar continues the Basics series. It is a must for experienced searchers new to STN or those who want to progress past simple search and display capabilities. You’ll find out how to:
• Conduct multifile searches and remove duplicate answers
• Use STN index to identify relevant files
• Analyze and save answer set results
• Set up automatic current awareness profiles
Prerequisite: Basics I or equivalent experience

Subject Searching in Chemical Abstracts (Subject/CA)
This seminar is designed for the searcher who wants to enhance their subject search skills in the CAplus database. Learn how to:
• Develop comprehensive subject search strategies
• Identify relevant controlled terminology
• Use CAS indexing to best advantage
Prerequisite: Intro/Chemistry, or equivalent experience

Substance Searching in Chemical Abstracts (Substance/CA)
This seminar is a must for the searcher who must do comprehensive substance searching in the CAplus database. Learn how to:
• Design strategies that cover indexing practices for all types of records in the database
• Locate information about materials not indexed by CAS RN
• Develop strategies that address changes in substance indexing practices
Prerequisite: Intro/Chemistry, plus substance search experience

Advanced Structure Search Techniques (Adv/Structure)
Go beyond the basics of substructure searching in the REGISTRY file in this seminar. Find out how to:
• Use STN Express tools to more precisely define variables in a structure
• Control the number of substituents in the query
• Get searches to run within system limits
• Search using structure fragments
Prerequisite: Structure/Express, plus structure search experience

Searching CASREACT (CASREACT)
Learn how to locate reaction information in the CASREACT reaction database. Find out how to:
• Use substructure searches to locate reactions of interest
• Conduct broad reaction searches based on reacting/formed functionalities
• Refine results based on catalysts or solvents used, numbers of steps, and yields
Prerequisite: Structure/Express

Patent Basics (Patents)
This seminar is designed for the searcher who wants to tap into the resources of patent information available on STN. Learn how to:
• Use Patent Numbers to find records of interest
• Locate members of a patent family
• Locate patents associated with a specific inventor or patent assignee
• Conduct multi-file patent searches and sort results by invention
Prerequisite: Basics I, Intro/Chemistry, or equivalent experience
## STN Workshops

### Anaheim CA (Spring ACS Meeting)
- 3/21 9am-1pm User Update-FREE
- 3/22 9am-4pm Intro/Chemistry-FREE
- 3/23 9am-4pm Structure/Express-FREE

### Columbus OH
- 3/30 9am-4pm Basics I-FREE
- 3/31 9am-4pm Intro/Chemistry-FREE
- 4/1 9am-4pm Structure/Express

### Minneapolis MN (SLA)
- 6/6 9am-3pm User Update-FREE

### Orange CT
- 4/6 9am-4pm Intro/Chemistry-FREE
- 4/7 9am-4pm Structure/Express
- 4/8 9am-12pm CASREACT

### Piscataway NJ
- 3/16 9am-4pm Intro/Chemistry-FREE
- 3/17 9am-4pm Structure/Express
- 3/18 9am-12pm CASREACT
- 5/4 9am-4pm Subject/CA
- 5/5 9am-4pm Substance/CA

### Stanford CA
- 3/9 9am-4pm Patent
- 3/10 9am-4pm CASREACT
- 3/11 9am-4pm Biosequence

### Westborough MA
- 4/9 8:30-12pm User Update-FREE

### West Conshohocken PA
- 6/22 9am-4pm User Update-FREE

### Ypsilanti MI
- 3/2 8:30-12pm User Update-FREE

## 1999 STN Patent Forums

Attend this seminar...designed especially for patent searchers...dedicated entirely to patent information.

Through a series of case studies, STN file content and search techniques will highlight approaches to address the types of patent searches you may experience. Case studies include:

- Validity searches
- Utility models
- Novelty and composition of matter searches
- Patent status
- Visualization of search results
- Legal status detail

### Spring 1999 STN Patent Forum schedule:
- April 12 Burlingame, CA
- April 14 Houston, TX
- April 15 Rosemont, IL

### Fall 1999 STN Patent Forum schedule:
- To be announced Boston, MA
- To be announced New Jersey

## Registration
To register, please contact:
- Training Assistant
  - Phone: 800-848-6538, ext. 3549
  - Fax: 614-447-3694
  - E-mail: wksp@cas.org

Internet:
- http://www.cas.org/training/regform.html

## Workshop fees
The workshops offered FREE are indicated in the schedule shown here. Full-day workshops are $125. All other workshops are $80.

## Special discounts
Faculty, staff, and students from academic institutions may attend at 50% off the listed price.

## Confirmation
After you register, you will receive a confirmation form that includes full details about the location of the workshop.
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Included with this issue
BIOCOMMERCE, CAplus, FROSTI, and PHAR Database
Summary Sheets, 1999 User Documentation Order Form,
and 1999 STN Price List.

In case you missed it:

STNews October:
Textiles—ancient history to current trends
• CAplus—patent family data
• KKF—file enhancements
• Searching citations the STN Easy way
• Searching for synthetic fibers in CAplus
• Answering your textile search questions using STN Express with Discover!
• Mastering STN commands

STNews Nov/Dec:
1998—Year in Review
• Product/service improvements
• Patent family information now available in CAplus
• Major update to BIOSIS Previews/RN
• STN Easy—it keeps getting better!
• STN on the Web

You can find it easily by searching the CAS Web site at: http://www.cas.org/websearch.html