

# STN News

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## Announcements

### SPOTLIGHT - STN Express®, Version 8.5, is now available

STN Express, Version 8.5, released on August 18, provides a number of enhancements to existing features based on customer requests. One of these enhancements is a new option in the Patent Family Manager that supports streamlining of twin multiple basic patents in CASM/CaplusSM.

Patent Family Manager Wizard

Extract the first member from each patent family (limit of 5000 answers)   
 Include non-patent answers in result set.

Remove twin multiple basics from CA/CAPLUS answer sets   
The selected LH may not contain > 5000 answers with the Chemical Indexing Equivalent tag.

Retain National Office equivalents  Retain oldest Application Date  
 Retain PCT (WD) equivalents  Retain oldest Publication Date

Customize display of patent family results (limit of 5000 answers)   
Display format for first member of each patent family:  
Examples: bib abs  
Display format for additional members of each patent family:  
Examples: ti an  
 Insert a page break between each patent family display

< Back Remove Finish

With this function, you can choose to retain only the world or national patent from a pair when both have the same chemical

## Upcoming Training



**CAS Learning Solutions** is the place to go for instructor-led and on-demand STN training.

Be sure to check out the latest e-Seminar "Fellowship of the Ring" presenting how to search for substances in CAS REGISTRY<sup>SM</sup> using ring search terms such as elemental composition and Ring Identifiers.

Do you ever need to search for substances containing hydrogen isotopes? Two short narrated presentations are now available: "Deuterium and Tritium Substances in STN Databases, Parts 1 and 2."

### STN E-Learning Tutorials

To see all of the CAS product training options, visit <http://learningsolutions.cas.org> to register and log in today. Frequently asked questions and quick reference cards are available to help new users with Learning Solutions.

Visit the STN events calendar in the

indexing, or to retain the pair member with the oldest application or publication date.

Take advantage of more precise parsing of the recently enhanced MARPAT® display formats for post-processing in Version 8.5 of STN Express. Users can now separate a new assembled display from a traditional display of the same answer in the tables and reports. This allows you to present a client with the more readable assembled display, even if you prefer to see both outputs.

STN Express, Version 8.5, also enhances the interoperability of STN Express with SciFinder® by allowing STN answers from appropriate databases to be saved in .akx format for the web version of SciFinder. This enhancement facilitates efficient communication with SciFinder users and is found in the Save for SciFinder wizard.

Other enhancements in this release include:

- ✦ Hyperlinking of MEDLINE cited references to the relevant database records.
- ✦ Enhanced compatibility of Analyze Plus with Microsoft Office 2010.
- ✦ Default RSA encryption of all STN sessions for enhanced security.

STN Express, Version 8.5, is available immediately from the [STN Software License and Download website](#) or via CD by contacting the CAS Customer Center or your local STN Helpdesk.

[CAS Learning Solutions](#) resource center for titles, descriptions, schedule and locations of all STN e-Learning and training for 2011.

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### STN e-Seminars

September 8  
*STN Patent Forum: Approaches for Analysis of Patent Data on STN*

September 27  
*Search Organometallics and Coordination Compounds*

October 13  
*Search Organometallics and Coordination Compounds*

[Register now!](#)

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### STN Patents and Pizza in Alexandria, VA

September 13  
*Searching for Nanotechnology on STN*

October 11  
*Advanced Structure Search Techniques - Focus on Building Generic Structures*

[Register now!](#)

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### STN Workshops and User Updates in Washington, D.C.

October 4, 9:00 am-4:00 pm EDT  
*STN User Update*

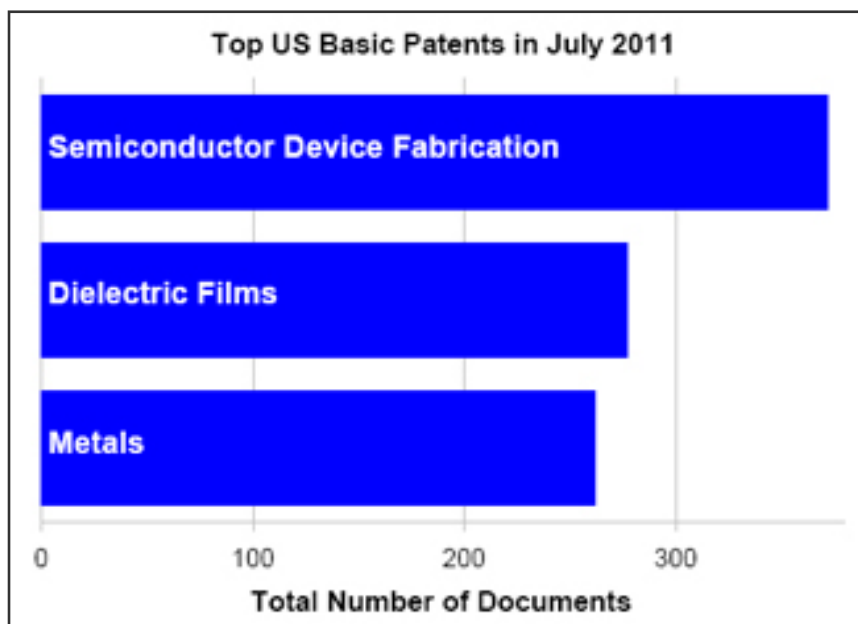
October 5, 9:00 am-noon EDT  
*Introduction to MARPAT*

October 5, 1:00 pm-4:00 pm EDT  
*STN Intermediate*

[Register now!](#)



### What's Trending in CAplus



Science IP searched the CAplus database on STN to discover the most frequent terms for U.S. basic patents from July 1-31, 2011. Top July trends include semiconductors, dielectric films and metals, popular applications for chemical substances. *Search conducted on August 18.*

Help us make our newsletter better for you. Later this year, we will re-launch STNews under a new format and would love your input in its design. Let us know what you like best and any suggestions and comments at [STNews@cas.org](mailto:STNews@cas.org).

## Database News

### **INPADOC: Coverage of German Patent Data Resumed, Enhanced Legal Status**

The coverage of German bibliographic and legal status data has been resumed in the INPADOC databases INPADOCDB/INPAFAMDB.

The coverage gap from week 25/2011 has been closed and current DE data will be provided close to the time of publication. Some delays for legal status information are still possible.

Recent developments at the German Patent Office brought significant enhancements to the legal status information: the coverage has been extended to include new legal status events and more legal effect dates.

For all current legal status events, a new set of legal status

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### **STN Patent Forum**

October 10, 9:00 am-4:00 pm EDT  
*NE PIUG Meeting, New Brunswick NJ*

[Register now!](#)

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### **FIZ Karlsruhe e-Seminars**

September 20  
*Searching for siRNA and miRNA in STN Patent Databases*

October 11  
*Searching Numeric Property and Polymer Indexing on STN*

October 20  
*Searching for siRNA and miRNA in STN Patent Databases*

October 25  
*Physical Property Searching in REAXYSFILE*

October 25  
*Reaction Searching in REAXYSFILE*

October 27  
*Physical Property Searching in REAXYSFILE*

October 27  
*Reaction Searching in REAXYSFILE*

[Register now!](#)

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### **STN Virtual Classes**

If you are new to database searching, you are encouraged to attend these classes in the order shown in the Learning Paths, since each one builds on concepts and skills covered in preceding sessions. Refer to the Learning Path for STN Virtual Classes (111.200) found in the

codes is applied; old codes will not be changed.

More details have been published by the European Patent Office. This includes a list of all new legal status codes and the corresponding old codes: <http://www.epo.org/service-support/updates/2011/20110811b.html>.

Please use the new and corresponding old codes for legal status searching, e.g., "opposition filed": (DE8363 or DER026)/LSC.

## Product News

### Older Versions of STN Express to be Discontinued Beginning in March 2012

To ensure an improved, more consistent user experience with newer features and maximized security for all STN sessions, we plan to discontinue support and access for older versions of STN Express beginning in March 2012. Please note that you can upgrade for free at any time to the current version of STN Express, Version 8.5, from the [STN Software License and Download website](#).

Software and support for versions of STN Express will be discontinued according to the following schedule:

| Version            | Support           | Software          |
|--------------------|-------------------|-------------------|
| Versions below 7.0 | December 31, 2008 | March 31, 2012    |
| Versions below 8.0 | March 31, 2012    | August 31, 2012   |
| Versions below 8.3 | August 31, 2012   | December 31, 2012 |
| Versions below 8.4 | December 31, 2012 | June 30, 2013     |

**Support discontinuation** = You may continue to use the software, but technical support and documentation for this version may no longer be available.

**Software discontinuation** = Access to STN will no longer be possible with this version of STN Express.

Whether you've already upgraded to STN Express, Version 8.5, or will be doing so in the near future, we want to make sure you get the support you need. Contact your local STN Service Center for assistance.

Learning Solutions resource center.

[Register now!](#)

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### STN Open Practice Sessions

September 2  
9:30 am - 11:30 am EDT

September 22  
3:00 pm - 5:00 pm EDT

October 7  
9:30 am - 11:30 am EDT

October 27  
3:00 pm - 5:00 pm EDT

[Register now!](#)

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### Upcoming Tradeshows

September 5-6  
Beijing  
[Patent Information Annual Conference of China](#)

September  
Korea  
KERIS

September  
Thailand  
Online Education and Information Conference

September  
Seoul, South Korea  
PATINEX

September 29-30  
Korea  
[Korean Chemical Society Fall Meeting](#)

September 5-8  
Thailand  
[14th Asian Chemical Congress](#)



October 10-14

New Brunswick, NJ  
[PIUG Northeast Workshop](#)

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## CAS Journal Coverage Now Includes Ahead-of-Print Articles for More Than 100 Journal Titles

In ongoing efforts to provide the most current chemistry and related scientific information available, CAS journal coverage now includes ahead-of-print (AOP) articles published by:

-  ACS Publications
-  AIP Journals
-  Nature Publishing Group
-  Springer
-  Wiley-Blackwell

AOP articles are included from more than 100 journal titles CAS covers from these publishers. To learn more about CAS journal coverage, visit <http://www.cas.org/expertise/cascontent/caplus>.



Set up an RSS feed to keep informed. Receive an alert from CAS whenever important news is available.

## Take Note



At Science IP, we often share tips and techniques among our searchers. We also need to be cost-conscious for our clients and rely on searching STNIndex to identify databases of interest. Here we share an example demonstrating the usefulness of expanding on terms in STNIndex.

### EXPANDING in STNIndex to find databases which cover a specific journal

Biomass and bioenergy are growing areas of research today—let's start by conducting a comprehensive search in the journal *Biomass and Bioenergy*. You would first need to know which STN databases index articles for this journal.

A good start is to use a database cluster such as the Chemical

October 16-19  
Adelaide, Australia  
[AusBioTech](#)

October 18-20  
Kilkenny, Ireland  
[EPO Patent Information Conference](#)

October 20-22  
Washington, D.C.  
[AIPLA](#)

October 23-26  
Barcelona, Spain  
[ICIC 2011](#)

October 27-28  
Maryland  
Annual NIH Research Festival Exhibit

October  
Bahrain  
ChemIndex

October  
The Netherlands  
Hat Element

October  
Korea  
PATINEX

October  
Korea  
Korean Institute of Chemical Engineers Fall Meeting

October  
Korea  
Korean Private University Library Association Fall Conference

October  
Taiwan  
CONCERT

October  
Columbus, OH

Engineering cluster (CHEMENG) to select specific databases to search for *Biomass and Bioenergy*. See <http://www.cas.org/support/stngen/dbss/index.html> for a list of database clusters.

In the example below, we also SET DETAIL ON and expand on the journal title (/JT). Instantly you have a list of databases with the number of records for *Biomass and Bioenergy*.

```
=> INDEX CHEMENG
```

```
=> SET DETAIL ON
```

```
INDEX 'APOLLIT, BIOENG, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CAPLUS, CBNB, CEABA-VTB, CIN,
COMPENDEX, DISSABS, INSPEC, INSPHYS, KOSMET, NTIS,
PASCAL, RAPRA, SCISEARCH, WSCA'
```

```
=> E BIOMASS AND BIOENERGY/JT
```

```
E3          5279 --> BIOMASS AND BIOENERGY/JT
APOLLIT      0      BIOMASS AND BIOENERGY/JT
BIOENG       826    BIOMASS AND BIOENERGY/JT
BIOTECHABS   63     BIOMASS AND BIOENERGY/JT
BIOTECHDS    63     BIOMASS AND BIOENERGY/JT
BIOTECHNO   772    BIOMASS AND BIOENERGY/JT
CAPLUS      1412    BIOMASS AND BIOENERGY/JT
CBNB         0      BIOMASS AND BIOENERGY/JT
CEABA-VTB    7      BIOMASS AND BIOENERGY/JT
CIN          0      BIOMASS AND BIOENERGY/JT
COMPENDEX   1957    BIOMASS AND BIOENERGY/JT
DISSABS      0      BIOMASS AND BIOENERGY/JT
INSPEC       0      BIOMASS AND BIOENERGY/JT
INSPHYS      0      BIOMASS AND BIOENERGY/JT
PASCAL       0      BIOMASS AND BIOENERGY/JT
RAPRA        0      BIOMASS AND BIOENERGY/JT
SCISEARCH    0      BIOMASS AND BIOENERGY/JT
WSCA         0      BIOMASS AND BIOENERGY/JT
```

Notice that **PASCAL** and **SCISEARCH** have no records with the journal title of *Biomass and Bioenergy*. Use EXPAND to find alternative journal titles.

```
E4 BIOTECHNO    1      BIOMASS AND BIOENERGY/JT
E5             2415    BIOMASS BIOENERG/JT
CEABA-VTB      14      BIOMASS BIOENERG/JT
SCISEARCH     2401    BIOMASS BIOENERG/JT
E6             8188    BIOMASS BIOENERGY/JT
APOLLIT        1      BIOMASS BIOENERGY/JT
BIOENG         93     BIOMASS BIOENERGY/JT
```

BioOhio

## CAS Customer Center

Each month we provide answers to real customer questions.

### Q: How can I use class identifiers to narrow my substance answer set in CAS REGISTRY?

A: Class Identifiers (CI) are assigned by CAS to describe broad classes of substances. Common CI codes include AYS (alloy), PMS (polymer), RIS (radical ion) and MAN (manual registration). Often the CI field is used in combination with other REGISTRY search terms (e.g., names, molecular formulas, structure search results).

Below is an example where the class identifier AYS is used to exclude alloys from a REGISTRY answer set.

```
=> FILE REGISTRY
```

```
=> S FE>0 and CO>0
```

```
L1 103233 FE>0 AND CO>0
```

```
=> S L1 NOT AYS/CI
```

```
L2 21135 L1 NOT AYS/CI
```

For a complete list of class identifiers, enter "EXPAND A/CI" at an arrow prompt in the REGISTRY database.

### Q: How can I refine my substance search using ring information?

A: You can use ring information to search REGISTRY for substances containing rings based on the number of rings, ring formula, etc. Ring Identifiers (/RID) are special dictionary terms, represented by a 3-part numeric sequence such as "2983.4.10". The first part "2983" codes the ring system arrangement; the second part "4" codes for ring atoms; and the third part "10" codes for the exact bonding pattern in the

|           |      |         |              |
|-----------|------|---------|--------------|
| BIOTECHNO | 788  | BIOMASS | BIOENERGY/JT |
| CAPLUS    | 1412 | BIOMASS | BIOENERGY/JT |
| CEABA-VTB | 325  | BIOMASS | BIOENERGY/JT |
| COMPENDEX | 2164 | BIOMASS | BIOENERGY/JT |
| PASCAL    | 1004 | BIOMASS | BIOENERGY/JT |
| SCISEARCH | 2401 | BIOMASS | BIOENERGY/JT |

Now, PASCAL and SCISEARCH have entries under the journal title of *Biomass Bioenergy*. This highlights the importance of always checking for abbreviated forms of your term.

Can you find other variations of the journal title? Try it next time you use STNIndex.

Faced with a challenging search or require comprehensive results? Contact the expert research staff at [Science IP](#).

ring system.

If you know your RID, you can search REGISTRY using the corresponding numeric sequence followed by the "/RID" field code. [See example](#).

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## Presentations

### Chemical Indexing as a Precision Tool for Relevant Patent Retrieval

At the PIUG 2011 Annual Meeting, John Zabilski, Senior Product Manager at CAS, presented how indexing evolves, the indexing process and how CA indexing can be used to enhance relevant search retrieval.



Dr. Anna Vist, A&V Pro



This Month's Lesson:  
Concept Frequency

Dear reader,

Interested in improving your STN AnaVist™ skills? Here I present the first in a three-part feature on altering your project's concept frequency to create alternative research landscapes within STN AnaVist, a powerful interactive analysis and visualization software. Find out more about [STN AnaVist](#).

First, I'll start with the basics, and make sure you understand concept frequency.

*Concept frequency* in STN AnaVist is a percentage, typically ranging from 10 to 70 percent, that indicates the upper limit of the frequency of terms used for clustering, which is an important part of creating the research landscape.

Suppose your STN AnaVist project consisted of 1,000 documents, and the term *tomato* occurred in 500 of the



International Year of  
**CHEMISTRY**  
2011

documents. The concept frequency for *tomato* would then be 500/1,000, or 50 percent.

Here's why the concept frequency is important. Imagine you set your STN AnaVist project to use a concept frequency of 40 percent. That means that terms appearing in 40 percent of the documents or more are excluded from consideration when the research landscape is being created. From our example, the term *tomato* would not be used as a label in one of the peaks in your landscape. It also would not be included in the list of terms associated with a peak that you see when you hover over it.

You've probably run across this if you noticed that the search terms used to create your document set (in STN Express or STN on the WebsM) for analysis in STN AnaVist are rarely found in your research landscape.

You can find the concept frequency setting for your project at the bottom left corner of the STN AnaVist interface.

| Project Information |                       |
|---------------------|-----------------------|
| Item                | Value                 |
| Name                | Project 6             |
| Notes               |                       |
| Created             | 7/13/11 1:24 PM       |
| Last viewed         | 8/29/11 2:13 PM       |
| Query               | Subset of c hap fi... |
| Status              | Successful            |
| Documents           | 35                    |
| Concept frequency   | 60%                   |
| Clustering fields   | Title/Abstract        |

While there is no optimum concept frequency for all STN AnaVist projects, altering the concept frequency can result in more pronounced peaks and less scatter in your research landscape.

I like to try a few alternatives, and I'll let you in on a little secret – creating alternative research landscapes (via subset visualizations) is free, and a great way to get value from your STN AnaVist project. Alternative research landscapes may make it easier for you to study and/or interpret your landscapes.

Coming next month, we'll learn how to alter the concept frequency setting.

Always tend your landscape – research or otherwise.

Cheerio,  
*Dr. Anna Vist*

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**At Your Command** - Join us each month to discover tips on how you can get the most out of the STN command language.

### **SORT the best answers to the top of your list**

Ever wonder how to get the best answers to the top of your answer set based on the number of hit terms?

The SORT command can do this by rearranging answers based on the content in a display field. Although answers may be routinely sorted by company or author names, journal titles, dates, patent numbers or document types, a lesser-known option is sorting by the number of occurrences of search terms.

SORT OCC arranges answers in descending order based on the number of hit terms. The example below compares DISPLAY OCC for the original answer set in default reverse chronological order to an answer set that has been rearranged using SORT OCC.

```

=> FILE CAPLUS
=> S THIN (S) LAYER# (S) SEMICONDUCTOR#
L1 12305 THIN (S) LAYER# (S) SEMICONDUCTOR#

=> D OCC 1-2
L1 ANSWER 1 OF 12305 CAPLUS COPYRIGHT
    2011 MCS on STN
FIELD          COUNT
IT              3

L1 ANSWER 2 OF 12305 CAPLUS COPYRIGHT
    2011 MCS on STN
FIELD          COUNT
AB              3

=> SOR OCC L1; D OCC 1-3
L2 12305 SOR L13 OCC

L2 ANSWER 1 OF 12305 CAPLUS COPYRIGHT
    2011 MCS on STN
FIELD          COUNT
IT              282

L2 ANSWER 2 OF 12305 CAPLUS COPYRIGHT
    2011 MCS on STN
FIELD          COUNT
TI              4
ST              3
IT              245

```

The complete list of fields that can be sorted is available on the Database Summary Sheet or may be displayed online using HELP SORT while in the desired database.

Discover additional useful sort options by viewing the user aid: [Mastering STN Commands - SORT](#).

Be sure to join us next month for another opportunity to take command of your search.

## CAS Activities



### Colors of Chemistry

If the deep blue-green veins don't give it away, the smell certainly will. Roquefort cheese is not your ordinary slice of dairy.

Prior to or just after curdling, the ewe's milk is spiked with spores of the aptly named *Penicillium roqueforti*. As the curds age, the mold grows and infiltrates every crack and

crevice, metabolizing fat from the ripening cheese to produce methyl ketones, including 2-heptanone and 2-nonanone. [Read more >>](#)

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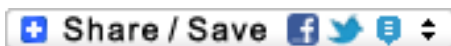
### Media Library

Discover how researchers use SciFinder to explore the medicinal benefits of tea and harness its powerful antioxidants into modern medicine. [See Video >>](#)

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