

STN News

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Announcements

▶ SPOTLIGHT - New STN[®] Revolutionizes Patent Searching for Professionals

Redesigned STN retains what customers value most while phasing in advanced search and analysis capabilities beginning in 2012.

COLUMBUS, Ohio and KARLSRUHE, Germany (October 24, 2011) – The STN partners, Chemical Abstracts Service (CAS) in the U.S. and FIZ Karlsruhe in Germany, are pleased to announce that a completely new STN will be phased into the market beginning in 2012.

The new platform will bring improved efficiency and usability at the expert level. Powerful new elements will include:

- ▶ Project-oriented workflow,
- ▶ Combined text and structure queries,
- ▶ Simultaneous query and results interaction,
- ▶ Real-time analysis of results and
- ▶ Virtually no system limits.

"While New STN will offer a wide range of advancements, it will retain the unique values of STN that are trusted by patent search professionals today, including the STN command line, search precision and high-quality content," said Sabine Brünger-Weilandt, president and CEO of FIZ Karlsruhe.

"Our focus on patent professionals also encompasses the STN commitment to a secure and confidential research environment, as well as training and support by our scientists, which will be hallmarks of the new system," said Robert J. Massie, president of CAS.

Teams of information technology professionals at FIZ Karlsruhe and CAS have designed and developed the new system with active guidance and insights from a global customer advisory council. "It is exciting to be part of the development process of the new STN platform," stated Dr. Mark Harper, patent information analyst at Sanofi and member of the STN Advisory Council. "The new system will greatly improve efficiency when searching STN, resulting from improved workflow support for patent experts."

An alpha release to the STN Advisory Council is planned for later this year, and a release to global STN fixed-fee customers will follow in 2012. The initial customer release will comprise the core databases of CAS and Thomson Reuters, a number of full-text patent files and a suite of critical features and functions.

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

CAS Customer Center Q&A

Each month we provide answers to real customer questions.

Q. How can I get comprehensive results when searching ECLA codes?

A. Here we provide two great options to get comprehensive results when searching ECLA codes even if you do not include extended information in your search.

1. (Easiest option) SEARCH on the ECLA code without extension information. You will automatically pick up records with both the ECLA code only and those with the ECLA code and extended information.

```
=> $ C10G0009-00C/ECLA
L1 106 C10G0009-00C/ECLA
```

2. EXPAND on the ECLA code of interest without extension information. Then SEARCH the EXPANDED ECLA code of interest (i.e., E3) and related ECLA codes with extension information (i.e., E4-E6). You'll get the same results whether you search the E number for the code only or related

Subsequent releases will be enhanced with additional databases and functionality.

The current STN system, including STN Express® and STN on the WebSM, will continue to be available and fully supported throughout the development of the new platform.

Related links

<http://www.cas.org/products/stnfamily/index.html>

<http://www.stn-international.de>

▶ Look for an upcoming STN survey

Help us make STN better for you. Later this year, we will be sending out a survey and would love your input.



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

Take Note

▶ Get More from ECLA Codes and Extended Information

Avid STN users probably noticed the recent addition of an ECLA (European Patent Classifications) thesaurus and reloaded codes to the CASM/CAplusSM family of databases on STN. The enhancements increase patent searching specificity on STN and feature reformatted ECLA codes simplifying cross-database searching. Here's another look at the ECLA thesaurus including:

- ▶ ECLA Code Meaning
- ▶ Hierarchy and Related Codes
- ▶ Extended Information

ECLA Code Meaning: Use the thesaurus to determine the meaning of ECLA codes when reviewing your retrieved records. In the example we use the ECLA thesaurus to retrieve additional information about ECLA code **C09D0167-06**.

```
=> FILE CAPLUS
=> EXPAND C09D0167-06+DEF/ECLA

E1 508 -> C09D0167-06/ECLA
  Unsaturated polyesters having carbon-to-
  carbon unsaturation
  ***** END *****
```

Hierarchy and Related Codes: View the code within its hierarchy for more information and related codes.

codes with extension information.

```
E3 106 6->C10G0009-00C/ECLA
E4      6  C10G0009-00C+X1/
  ECLA
E5      1  C10G0009-00C+X3/
  ECLA
E6      1  C10G0009-00C+Y1+
  X1/ECLA

=> $ E3
L4 106  C10G0009-00C/ECLA

=> $ E4-E6
  6  C10G0009-00C+X1/ECLA
  ("C10G0009-00C+X1"/ECLA)
  1  C10G0009-00C+X3/ECLA
  ("C10G0009-00C+X3"/ECLA)
  1  C10G0009-00C+Y1+X1/
  ECLA (C10G0009-00C"+
  "Y1"+"X1"/ECLA)
L5 8  (C10G0009-00C+X1/ECLA
  OR C10G0009-00C+X3/ECLA
  OR C10G0009-00C+Y1X1/
  ECLA)

=> $ L5 NOT L4
L6 0  L5 NOT L4
```

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, "**Organometallics and Coordination Compounds**," presenting how to build your skills for locating metal containing substances.

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 **CAS Learning Solutions** resource center for titles, descriptions, schedule and locations of all STN e-Learning and training for 2011.

STN e-Seminars

November 10
[Virtual STN Patent Forum: A Class on Classification](#)

November 29
[Reaction Searching on STN](#)

December 8
[Reaction Searching on STN](#)

December 13
[Locate Polymer and Oligomer Information on STN](#)

[Register now!](#)

FIZ-Karlsruhe e-Seminars

November 8

⇒ **EXPAND C09D0167-06+HIE/ECLA**

E1	2 BT6 C/ECLA CHEMISTRY; METALLURGY
E2	0 BT5 C01-/ECLA Chemistry
E3	0 BT4 C09/ECLA DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; MISCELLANEOUS COMPOSITIONS; MISCELLANEOUS APPLICATIONS OF MATERIALS
E4 49840	BT3 C09D/ECLA COATING COMPOSITIONS, e.g. PAINTS, VARNISHES OR LACQUERS; FILLING PASTES; CHEMICAL PAINT OR INK REMOVERS; INKS; CORRECTING FLUIDS; WOODSTAINS; PASTES OR SOLIDS FOR COLOURING OR PRINTING; USE
E5	14 BT2 C09D0159/ECLA Coating compositions based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds
E6 1493	BT1 C09D0167-00/ECLA Coating compositions based on polyesters obtained by reactions forming a carboxylic ester link in the main chain explanation: based on polyester-amides C09D0177-12; based on polyester-imides

Extended Information: Some ECLA codes have extended information.

One type is an alphanumeric code following the numeric subgroup. An example is C02F0001-461B2B, where 461 is the numeric subgroup and B2B is the alphanumeric code that follows.

The additional code is a letter (B) followed by a number (2) that may be repeated up to three times (B2B OR B2B2B2). The ECLA thesaurus fully defines these codes.

A different type of extended information in ECLA codes is a plus sign (ampersands are also possible) followed by alphanumeric information. Below are two examples:

C10G0009-00C+X3
C10G0009-00C+Y1+X1

The ECLA thesaurus does not include the meaning of the X3, Y1 or X1 at the end of these ECLA codes. However, EPO documentation can assist in determining the meaning of this coded information. You can combine the meaning of the ECLA code with the meaning of the extended information for more information about the patent subject.

Here is a list of EPO documentation:

Exploring the Derwent Drug File on STN

November 15
Exploring the Derwent Drug File on STN

November 29
Searching for Antibody Information on STN

December 1
Searching for Antibody Information on STN

December 6
Searching Full Text Patent Databases on STN

December 15
Searching Full Text Patent Databases on STN

[Register now!](#)

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 Learning Solutions resource center.

[Register now!](#)

STN Open Practice Session

November 4
9:30 am – 11:30 am EDT

November 17
3:00 pm – 5:00 pm EST

December 2
9:30 am – 11:30 am EST

December 22
3:00 pm – 5:00 pm EST

[Register now!](#)

Upcoming Trade Shows

November 2-5
Charleston, SC
[Charleston Conference](#)

B	obtained product gasoline
D	obtained product diesel oil
G	obtained product gasoil
J	obtained product jet fuel
L	obtained product lubricating oil
L1	obtained product electric isolation oil
L2	obtained product white oil, eating oil
M	added to ECLA codes for active ingredients of compositions (including formulations and synergistic mixtures)
R	starting material residues
S	obtained product solvents
X1	obtained product C2C4 olefins
X2	obtained product higher olefins
X3	obtained product acetylene and homologues
Y1	obtained product fuel gas
Y2	obtained product propane and butane
Z	obtained product - aromatics

See the [CAS Customer Center Q&A](#) in this issue for answers on how to comprehensively search using ECLA codes with extended information.

You can access the ECLA thesaurus in the following STN databases:

- ▶ AUPATFULL
- ▶ CA/CaPlus
- ▶ CANPATFULL
- ▶ Derwent World Patents Index®
- ▶ FRFULL
- ▶ GBFULL
- ▶ INPADOCDB/INPAFAMDB
- ▶ PCTFULL

Enjoy the addition of the ECLA thesaurus in CA/CaPlus to improve your search results!

At Your Command

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

Log Off with All the Info You Need

Are you aware of all the options you have for displaying session costs and history when you log off from STN?

Control the cost data displays when you log off using **SET LCOST**. Here are some useful SET LCOST commands:

- ▶ **SET LCOST ON** (default) displays the cost for the current database and the total session cost.
- ▶ **SET LCOST BRIEF** includes a detailed display of the current database, a cost summary for each database and a cost summary and cost total for each cost center.
- ▶ **SET LCOST FULL** is the most detailed format. It includes everything in BRIEF and a detailed cost for each database entered.
- ▶ **SET LCOST OFF** suppresses the cost display.

November 12-15
China
[National Organic Chemistry Conference](#)

December
Singapore
[Library Association of Singapore](#)

Search Tips of the Month

Search CAS REGISTRYSM for multiple occurrences of the same word in a chemical name or sentence.

There are times when you need to find more than one occurrence of a term when searching on STN. Common reasons may include searching for:

- Repeating chemical name fragments
- Repeating words in sentences in full-text databases

Repeating chemical name

fragments: AND, (S), (P) and (L) operators will find at least one occurrence of a name fragment. However, these operators are not precise enough to find multiple occurrences. The (XA) operator is limited to finding only two occurrences, but not more. You need to use the (XW) operator to find more than two occurrences of the same name fragment.

```
=> FILE REGISTRY
=> D HIS
L1 84789 $ VINYL
L2 84789 $ VINYL (L) VINYL
L3 6409 $ VINYL (XA) VINYL
L4 6409 $ VINYL (XA) VINYL
   (XA) VINYL
L5 996 $ VINYL (XW) VINYL
   (XW) VINYL
L6 108 $ VINYL (XW) VINYL
   (XW) VINYL

=> D HIT
CN 2-Diphenyloxyethyl vinyl
ether-isobutyl vinyl ether-2-
methoxyethyl vinyl ether-4-
(2-vinyloxy)ethoxybenzoic
acid triblock copolymer
```

Repeating words in sentences:

SET LHISTORY ON provides an automatic DISPLAY HISTORY NOF (NO File) executed at logoff. This includes complete session history without database entry information.

You can also add PERM when using the SET command to retain your LCOST and LHISTORY preferences beyond your current session. Use **DISPLAY SET CHANGED** to remind yourself which SET options vary from their default value and whether any changes are permanent.

```
=> SET LCOST BRIEF PERM
=> SET LHISTORY ON PERM

=> D SET CHANGED

SET PARAMETER CURRENT PERMANENT LOGIN DEFAULT
-----
ABBREVIATION 'ON' 'ON' 'ON' 'OFF'
LCOST 'BRIEF' 'BRIEF' 'ON' 'ON'
LHISTORY 'ON' 'ON' 'OFF' 'OFF'
PLURALS 'ON' 'ON' 'ON' 'OFF'
SPELLINGS 'ON' 'ON' 'ON' 'OFF'

=> LOGOFF HOLD

FILE 'HOME' ENTERED AT 12:53:06 ON 06 OCT 2011
FILE 'HCAPLUS' ENTERED AT 13:08:55 ON 06 OCT 2011
E ANTIDIABETIC AGENTS/CT
E E3+ALL
L1 70964 SEA SPE=ON ABB=ON PLU=ON
("ANTIDIABETIC AGENTS"/BI OR
ANTIDIABETICS/BI OR "ANTIDIABETICS
O O O
L2 1305 SEA SPE=ON ABB=ON PLU=ON
L1 AND (COMBIN? (S) (DRUG OR
CHEMOTHERAPY))
L3 1216 SEA SPE=ON ABB=ON PLU=ON
L2 AND P/DT
L4 ANALYZE PLU=ON L3 1- PA : 544 TERMS
SET LCOST BRIEF PERM
SET LHISTORY ON PERM
D SET CHANGED

FILE & COST CENTER QUANTITY @ RATE ESTIMATED COST
U.S. DOLLARS
HCAPLUS FILE COST=
CONNECT HOURS 0.07 @ 291.00 20.37
INTERNET HOURS 0.07 @ 8.00 .56
ANALYZE LEVEL 1 1 @ 18.75 18.75

SUMMARY BY FILE COST CENTER HOURS ESTIMATED COST
U.S. DOLLARS
HOME FILE (NONE) 0.02 .46
HCAPLUS FILE (NONE) 0.08 56.02

SUMMARY BY COST CENTER HOURS ESTIMATED COST
U.S. DOLLARS
(NONE) .10 56.48
TOTAL SESSION COSTS ARE .10 56.48

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:03:59 ON
06 OCT 2011
```

Discover additional useful SET commands at [Mastering STN Commands - SET](#).

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

Dr. Anna Vist, A&V Pro

```
=> FILE USPATFULL, USPAT2
=> S (?CELLULOSE (XW)
?CELLULOSE (XW)
?CELLULOSE)/CLH
=> D HIT
CLH What is claimed is:
4. The milnacipran
formulation of claim 2,
wherein the hydrophilic
polymer is methyl cellulose,
ethyl cellulose,
hydroxypropyl cellulose,
hydroxypropylmethylcellulose,
sodium carboxymethylcell-
ulose, cross-linked acrylic
acid polymers, a polyethylene
oxide, or mixtures thereof.
```

Making the most of a sequence search - Sequence and keyword searching in USGENE

The number of sequence patent documents and published sequence listings is constantly on the rise. Simple sequence searching frequently results in huge answer sets. This is especially true for sequences of high commercial interest and value which may be surrounded by heavy patenting activity. As a result, it becomes more important to include keyword search strategies with reasonable data content in addition to sequence searching.

USGENE, the USPTO Genetic Sequence Database on STN, is a sequence-based database with valuable sequence and patent publication-related information (e.g., abstract and claims) that can improve the precision of your search results.

The search tip shows the unique feature of combing a sequence search with additional sequence and patent publication related data for a more focused search strategy on STN.

[Download the full article.](#)

CAS Activities

Colors of Chemistry



The red-orange glow of a lava flow rapidly turns to shades of gray as the lava cools to form solid rock.

Rich in magnesium and iron, lava flows of Hawaiian Island volcanoes often produce black basalt speckled with green crystals. Not to be mistaken for emeralds, the crystals belong to a series of magnesium-iron silicate minerals collectively known as olivine, including fayalite and forsterite. Although most olivine remains trapped within the volcanic rock from which it arose, free crystals can be found in abundance where lava flows are exposed to the erosive forces of the ocean. On a remote coastline near the southernmost point of Hawaii's Big Island, such forces continuously acting on the ancient Pu'u Mahana cinder cone have colored the sand of an entire beach green with tiny olivine



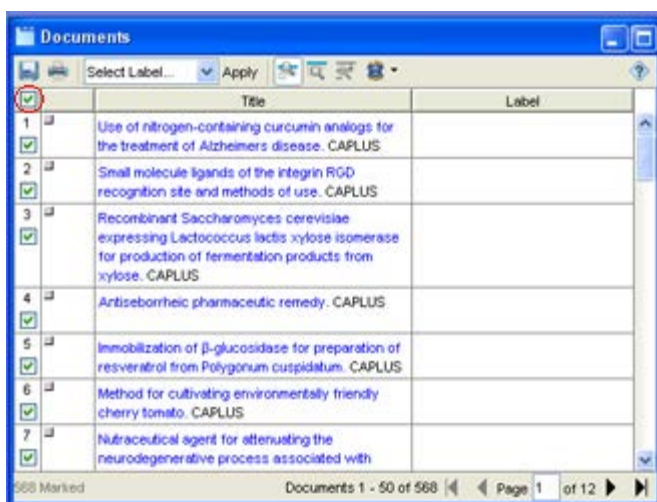
This Month's Lesson: Creating Alternative Research Landscapes in STN AnaVist™

Dear reader,

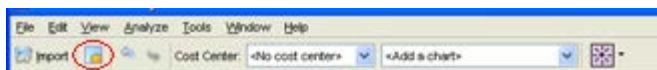
Interested in improving your STN AnaVist skills? Here I present the third in a three-part feature on creating alternative Research Landscapes within STN AnaVist, a powerful interactive analysis and visualization software. Find out more about [STN AnaVist](#) or access [part 1](#) or [part 2](#) of the feature article.

It's quite easy to create an alternative Research Landscape in STN AnaVist. Just follow my step-by-step guide below once you're in STN AnaVist:

1. Change the Concept Frequency using Tools > Preferences > Research Landscape. For the most noticeable results, choose a Concept Frequency at least ten percent higher or lower than the current setting.
2. Place your cursor in any corner of the current Research Landscape. Left click to draw a box around the entire Research Landscape. (Don't worry if you go outside the lines.)
3. In your Documents window, select all documents by clicking on the check box in the Column Header:



4. Click the Subset Visualization icon in the STN AnaVist toolbar to create your new Research Landscape.



The Research Landscape you just created will be part of a new project. Be sure to give this project a name, possibly one that identifies the changes you made to the concept frequency. In my example, I named my project Genetically Modified Tomatoes 40%. After selecting your best concept frequency and Research Landscape, you may want to eliminate some of the other projects.

I like to try a few alternatives, and I'll let you in on a little secret – creating different 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 interpret your results.

Always tend your landscape – research or otherwise.

Cheerio,

crystals. Known locally as Papakolea Beach, it's no mystery why this popular tourist destination is better known as Hawaii's Green Sand Beach. [Read more >>](#)

Media Library



Lava: Fire from the Earth

Discover why scientists choose SciFinder to

learn more about volcanoes and the chemical compounds of the fiery hot contents within.



International Year of
CHEMISTRY
2011

Passing Science



Norman R. Farnsworth helped create the NAPRALERT (NAtural PROducts ALERT) database in 1975. Sadly, he passed away on September 10, 2011 at the age of 81. Ahead of its time, NAPRALERT was the world's first computerized database of ethnobotany, chemistry, pharmacology, toxicology and clinical trials on medicinal plants. The database became available on STN in the early 1990s and now contains information on more than 150,000 natural products and 175,000 organisms.

Today, NAPRALERT is a key resource for scientists and patent professionals seeking information on medicinal plants and chemical substances derived from them. This information resource was a vision of Dr. Farnsworth's, who saw the need for a consolidated source.

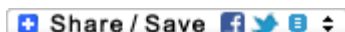
Dr. Farnsworth was a pioneer in the field of medicinal plant products. He taught at both the University of Pittsburgh and the University of Illinois at Chicago, where he held many roles over 40 years. His service to the natural products community includes:

- ▶ Member of the World Health Organization's Expert Advisory Panel on Traditional Medicine
- ▶ Member of President Bill Clinton's Commission on Dietary Supplements Labels
- ▶ Co-founder of the American Botanical Council and the journal *Phytomedicine*.

Dr. Farnsworth is remembered for his boundless energy and high standards. He leaves behind a legacy of information and discovery with more than 100 students he mentored during his career. Despite Dr. Farnsworth's passing, the NAPRALERT database will continue to be available on STN as a vital source of natural products information.



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