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STN in North America

STN News

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STN[®]

*Science from every
perspective*

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2004 — year in review



2004 marks the 20th anniversary of STN, the premier online source for sci-tech information. STN has grown tremendously over the past 20 years, and 2004 is no different. STN continued to evolve in 2004, with everything from new product releases and significant product enhancements, to the addition of and enhancements to databases, to an increased offering of interactive training.

Following is a summary of some of the STN databases, features, products, and services that made *STNews* in 2004.



The Analysis Edition of STN Express® with *Discover!*[™] was enhanced with additional analysis and visualization features. Information professionals can now search, analyze, visualize, and *discover* the world of sci-tech information with:

- New Analyze Plus Wizard for advanced data grouping and multfile results analysis and visualization, including interactive co-occurrence matrices and 3-D bar and column charts in Microsoft® Excel

- New personal dictionary for storage of an alphabetical listing of all terms used in search and expand statements
- Additional access to the POLYLINK and SEQLINK commands
- The newly redesigned CAS Registry Number® Wizard, making it easier to access experimental and predicted properties of chemical substances
- Improved post-processing, with automatic removal of blank cells from displays of patent data in tables and reports

Note: These enhancements are for Windows® users only.



STN Easy® and STN Easy® for IntranetsSM enhancements include the addition of two new patent-oriented databases, LITALERT and WPIFV. The total number of databases available via STN Easy is now over 100, and the total number of databases available via STN Easy for Intranets is now over 110.

New databases

A total of 15 new databases were covered in *STNews* in 2004. The databases are:

- **ABI/INFORM® (ABI-INFORM)**, produced by ProQuest Information and Learning, contains information on worldwide business and management issues for areas such as accounting, banking, computers, energy, engineering, environment, health care, international trends, law, management, marketing, telecommunications, transportation, and more.
- **Abstracts in New Technologies and Engineering (ANTE)**, produced by Cambridge Scientific Abstracts (CSA), covers new technologies such as information technology and computing, electronics, biotechnology, and medical technology, as well as engineering (including chemical, construction, and electrical) and allied areas.
- **AQUALINE**, produced by Cambridge Scientific Abstracts (CSA), provides a comprehensive focus on trade, technical, and scientific literature concerning all aspects of water resources. Major subjects include water resources and supplies management, water legislation, water quality, potable water distribution, wastewater collection, wastewater treatment technologies, wastewater and sewage treatment, and ecological and environmental effects of water pollution.
- **Biotechnology and Bioengineering Abstracts (BIOENG)**, produced by Cambridge Scientific Abstracts (CSA), provides access to international research on all aspects of biochemical and microbial technology as applied to bioengineering.
- **Civil Engineering Abstracts (CIVILENG)**, produced by Cambridge Scientific Abstracts (CSA), contains information on civil engineering and its complementary fields, including forensic engineering, management and marketing of engineering services, engineering education, theoretical mechanics and dynamics, and mathematics and computation.
- **Derwent World Patents Index First ViewSM (WPIFV)**, produced by Thomson Scientific, contains previews of the latest published patent documents in advance of their inclusion in WPIDS/WPINDEX/WPIX for the 40 patent-issuing authorities covered by Derwent.
- **Drug Data Report (PROUSSDR)**, produced by Prous Science, provides preliminary drug research results from patents for bioactive compounds.
- **Environmental Engineering Abstracts (ENVIROENG)**, produced by Cambridge Scientific Abstracts (CSA), covers worldwide literature pertaining to the technological and engineering aspects of air and water quality, environmental safety, and energy production.
- **FRANCEPAT**, produced by Institut National de la Propriete Industrielle (INPI), is a private service offered under a distribution agreement with INPI. It contains French patent applications and granted French patents published by INPI from 1966 to the present, special pharmaceutical patents from 1961-1978, and Complementary Protection Certificates from 1969 to the present.
- **French Patents Full Text (FRFULL)**, produced by Univentio®, contains the full text of all patent applications published in France from 1980 to the present.
- **Korean Patent Abstracts (KOREAPAT)**, produced by the Korean Institute of Patent Information (KIPI) on behalf of the Korean Intellectual Property Office (KIPO), provides access to (South) Korean patent information in English for unexamined patent applications (A-documents) from 2000 to the present and examined patent applications (B-documents) from 1979-2001.
- **Litigation Alerts (LITALERT)**, produced by Thomson Scientific, provides information about U.S. litigation affecting intellectual property and is a unique tool for monitoring and researching which U.S. patents, trademarks, and companies are involved in litigation.
- **Mechanical and Transportation Engineering Abstracts (MECHENG)**, produced by Cambridge Scientific Abstracts (CSA), contains information on the serial literature in mechanical and transportation engineering and their complementary fields, including forensic engineering, management and marketing of engineering services, engineering education, theoretical mechanics and dynamics, and mathematics and computation.
- **Pharmaceutical Substances (PS)**, produced by Georg Thieme Verlag, is a substance-based, structure-searchable database containing essential substance information, trade data, and preparation methods for active pharmaceutical agents of significance that are currently on the market.
- **Water Resources Abstracts (WATER)**, produced by Cambridge Scientific Abstracts (CSA), contains summaries of the world's scientific and technical literature on water-related topics covering the characteristics, conservation, control, pollution, treatment, use, and management of water resources.

Database enhancements

Significant enhancements to the following databases were covered in *STNews* during 2004:

BEILSTEIN

- The file was updated and now contains over 9 million organic compounds, with reactions available for over 7.8 million substances.
- Three new display formats, ALLP (displays all patent references for a compound only), ALLREF (displays all references, including those from reaction documents, for a compound), and BABSAN (displays all BABS Accession Numbers for a compound), are available.
- Patent Numbers (PN) and BABS Accession Numbers (BABSAN) are now searchable and selectable.

BIOCOMMERCE

- The content focus is now wholly on company information, as opposed to news abstracts and company information.

BIOTECHABS/BIOTECHDS

- Two new display fields, Legal Status (LS) and Legal Status, Detailed version with display headers (LS2), provide legal status from INPADOC for the corresponding BIOTECHABS/BIOTECHDS documents.

BIOTECHNO

- The file is no longer updated, but remains available as a static file.

CASM/CAplusSM

- The new Company Name Thesaurus search aid uses standard thesaurus functionality to identify related forms of the names of many major companies. It contains approximately 25,000 company name families and includes transliterated names from the Cyrillic alphabet.
- A new search and display field, Company Name (/CO), is available.
- ECLA classification codes from the European Patent Office and F-Term classification codes from the Japan Patent Office have been added, as available, to many patent records.
- Patent documents from Greece, Moldova, and Turkey are now included.
- Bibliographic information and abstracts in English are available more quickly for patents selected as related to chemistry or the chemical sciences from Czech Republic, Latvia, Lithuania, Romania, Singapore, and Slovakia.
- Additional U.S. patents from 2001 and 2002, selected by using the U.S. NPC Codes, were added.
- Select Danish patent applications are now covered as basic patent documents.
- Examiner citations from granted U.S. patents are now added to equivalent U.S. application basic documents.
- Citation linking for Volume 0 records now allows for backward and forward access to citations, including BIB ABS data for older documents cited in CA/CAplus from 1997 to the present.
- Over 7,600 records for documents from *Journal of the American Chemical Society* and *Journal of Physical Chemistry* from 1900-1906 and landmark papers of enduring value from 1900-1912 have been added.
- Records from *Dissertation Abstracts International C* were added, providing additional access to European academic research.
- A new display field, STN Entry Date (ED), is available.
- A new document type, NONPATENT, is available.
- A new super update code, Update Code Maximum (/UPM), is now available for patent-oriented current-awareness alerts (SDIs) in CAplus only.

CABA

- Simultaneous left and right truncation is now available in the Title (/TI) field and the Basic Index (/BI).
- Three new search fields, E-mail Address (/EML), Sequence Code (/SC), and URL (/URL), are available.
- Two new display fields, Entry Date (ED) and Update Date (UP), are available.
- Document Identifier (DOI) data is now available in the Source (SO) field.

Database enhancements

CASREACT®

- Approximately 600 reactions from about 590 journals published from 1840-1906 were added. (Corresponding records were added to CA/CAPLUS.)
- Approximately 20,300 reactions from about 14,400 documents published after 1906 were added.
- Over 18,000 enzymatically catalyzed organic reactions (biotransformation reactions) from approximately 4,000 documents published from 1971-1998 were added.

CHEMCATS®

- CHEMCATS now contains over 850 catalogs from more than 700 publishers and over 8.1 million records, 7.8 million of which have CAS Registry Numbers assigned.

CROPR/CROPU

- CROPR and CROPU are no longer updated, but remain available as static files.

DGENE

- Two new display fields, Legal Status (LS) and Legal Status, Detailed version with display headers (LS2), provide legal status from INPADOC for the corresponding DGENE patent sequence documents.

DRUGB/DDFB

- Psychiatric disease keywords were reviewed and updated based on standard terms used in *DSM-IV (Diagnostic and Statistical Manual of Mental Disorders – Fourth Edition)*.

DRUGU/DDFU

- Psychiatric disease keywords were reviewed and updated based on standard terms used in *DSM-IV (Diagnostic and Statistical Manual of Mental Disorders – Fourth Edition)*.

FSTA

- The Serial Publications 2004: Scanned for FSTA – Food Science and Technology Abstracts list is available online and in print via the database producer.
- Four additional journals, *Asia Pacific Food Industry*, *Brazilian Journal of Microbiology*, *Indian Journal of Biotechnology*, and *Annual Report, United Planters' Association of Southern India*, are now included.

IFICDB/ IFIPAT/IFIUDB

- A new search and display field, Patent Assignee (Probable) (/PPA), is available.
- A new search field, Number of Patents Citing this Patent (/PNC.G), is available.
- A new super search and display field, Patent Assignee Group (/PASS), is available.
- Two new display fields, Independent Claims (CLMI) and Parent Case Data (PARN), are available.
- The granted patent number or the patent application number now appears in the last line of the Family Information (FI) field for the patent application or the granted patent record.

- An expanded title for business methods patents is now searchable and displayable in the Title (TI) field.
- A new search field, Controlled Term, Business Methods (/CT.BM), is available in IFICDB and IFIUDB only.
- Specialized indexing for business methods patents is now searchable and displayable in the Controlled Term (CT) field in IFICDB and IFIUDB only.

IMSCOPROFILE (formerly IMSPROFILES)

- The STN file name changed to IMSCOPROFILE to reflect the file name, IMS Company Profiles.

IMSCOSEARCH (formerly PHARMASEARCH)

- The STN file name changed to IMSCOSEARCH to reflect the file name, IMS Company Search.

IMSDRUGNEWS (formerly DRUGNL)

- The STN file name changed to IMSDRUGNEWS to reflect the file name, IMS Drug News.

IMPATENTS (formerly DRUGPAT)

- The STN file name changed to IMPATENTS to reflect the file name, IMS LifeCycle, Patent Focus.

IMSPRODUCT (formerly DRUGLAUNCH)

- The STN file name changed to IMSPRODUCT to reflect the file name, IMS LifeCycle, New Product Focus.

Database enhancements

IMSRESEARCH (formerly DRUGUPDATES)

- The STN file name changed to IMSRESEARCH to reflect the file name, IMS LifeCycle, R&D Focus.

INPADOC

- Patent family monitoring was enhanced.
- Seven new patent family update codes, EDF, UPFB, UPFD, UPFE, UPFL, UPFP, and UPFA, are available.
- Six new display formats, FFAMUP, FFAMUP.pc, FFAMED, FFAMED.pc, LFAMUP, and LFAMUP.pc, are available.
- A new search field, LSSPC.EX, is now available for U.S. time extension and time withdrawal data.
- A new display code for update information, UPALL, is available.

INSPEC

- A new subsection of the database, Section E: Manufacturing and Production Engineering, extended coverage in these areas.

MEDLINE/LMEDLINE

- The file was reloaded and updated to reflect the 2004 MeSH vocabulary.
- Data from 1950-1957 were added.

NLDB

- Two new search fields are available for Geographic Terms (/GT and /GEO).
- A new display field, Time Period (TIP), is available.

PCTFULL

- The Designated States (/DS) field was enhanced to accommodate additional information provided by the World Intellectual Property Organization (WIPO).
- National and international designated states are now divided into patent applications and utility model applications.

PROMT

- A new display field, Time Period (TIP), is available.

RAPRA

- Current-awareness alerts (SDIs) are now available every update (every two weeks) and monthly.

REGISTRY/ZREGISTRY

- Over 149,000 compounds have been enhanced with over 188,000 experimental property values for 13 key properties collected by CAS analysts for the recent literature indexed for CPlus. The properties are Boiling Point, Density, Electric Conductance, Electric Conductivity, Electric Resistance, Electric Resistivity, Glass Transition Temperature, Magnetic Moment, Median Lethal Dose, Melting Point (including Decomposition and Sublimation), Optical Rotatory Power, Refractive Index, and Tensile Strength.
- Over 143,000 additional experimental values gathered non-systematically by CAS during the 1960s for Boiling Point and Melting Point were added.
- An indication of the property type, e.g., calculated or experimental, is now included in customized property displays.

- CPlus super roles from the indexing field for the substances are now cross-referenced and available.
- CPlus document type information, i.e., Book, Conference, Dissertation, Journal, Patent, Preprint, Report, is now available.
- Polymer links for the remaining 17 classes of condensation polymers were completed.
- A more precise chemical name is now part of the registration for block copolymers.
- Structure searching for Structural Repeating Units (SRUs) with C3H6 or C3F6 units was enhanced.
- Substances from the structure files of the National Cancer Institute (NCI) Open Database Compounds collection (August 2000 2D File) were added.
- Source of registration information is now searchable as a bound phrase in the Source of Registration (/SR) field and as "Source of Registration" in the Field Availability (/FA) field to isolate this information.
- Source of registration information has been updated to better reflect the current names of the various sources from which substances are registered.
- A new display field, STN Entry Date (ED), is available.

TOXCENTERSM

- The MEDLINE file segment was reloaded and updated to reflect the 2004 MeSH vocabulary.
- Data from 1950-1957 were added to the MEDLINE file segment.

TRIBO

- The file is no longer updated, but remains available as a static file.

WPIDS/WPINDEX/WPIX

- Currency of EP, GB, and WO patents has improved.
- Improvements in the currency of DE, JP, and US patents means an overall average of 41 days for the following authorities: DE, EP, GB, JP, US, and WO.
- B, C, and E fragmentation codes are now searchable back to the commencement of the databases using a single non-time-ranged strategy.
- A new display format that displays hit structures from the Derwent Chemistry Resource file segment, HITSTR, is now available.
- All JP-B Equivalent patents are now covered.

WPIFV

- JP-A documents, complete with English titles and abstracts, are now added within one week.
- The main claims for JP-A and JP-B patents are now available in English.

Enhanced commands

Significant enhancements to commands were covered in *STNews* during 2004:

- EXTEND creates two L-number answer sets when a structure search is conducted. It is available in all structure-searchable databases on STN.

- SDI and SDI EDIT can now process several punctuation marks, e.g., comma, semicolon, for multiple e-mail addresses when delivering current-awareness alert results.

Training tools

CAS e-Seminars, web-based seminars that bring professional training to your desktop, during 2004 included:

- Advanced MARPAT® Techniques
- Visualization Tools in STN Express with *Discover!*, Analysis Edition (Version 7.01)
- Automating Your Search
- Introduction to Polymers
- Advanced Structure Search Techniques – Ring Information

- “Biotextology” – Text Search Techniques for Biological Information
- Customizing Your STN Account
- Patent Citation Searching
- Searching for Patent Families
- Post-processing Search Results with the Analysis Edition of STN Express with *Discover!*

To view a recording, visit www.cas.org/training/eseminars/eventlist.html.

STN's 20th anniversary year brought many product and database enhancements. Look for more exciting news in 2005.

ABCD

ABC der Deutschen Wirtschaft®

–file to be removed from STN

Effective December 31, 2004, ABCD will no longer be available on STN.

BEILSTEIN

–database updated

BEILSTEIN has been updated. Approximately 76,000 new compounds have been added, and recent information for approximately 43,000 compounds has been supplemented.

BEILSTEIN now contains over 9 million organic compounds. Reactions are available for over 7.8 million substances.

The revised BEILSTEIN Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/beilsteinss.html

CA/Caplus

–Company Name Thesaurus search aid enhanced; citation linking for Volume 0 records completed

The Company Name Thesaurus search aid now includes approximately 25,000 company name families. In addition, company names from the Cyrillic alphabet have been edited, translated, and included in the Company Name Thesaurus search aid.

The linking of citations in CA/Caplus to the Volume 0 records is now complete. The backward and forward access to citations allows access to:

- BIBS ABS data for older documents cited in CA/Caplus from 1997 to the present
- Recent articles that may be relevant to early 20th century research

Example: Older citations included in a more recent record.

```
AN 1998:726472  CAPLUS
DN 130:57891
TI The birth of nuclear physics
AU Radvanyi, Pierre
CS Laboratoire National Saturne, Gif-sur-Yvette,
   91191, Fr.
SO Ou en Est la Physique Nucleaire apres 100 Ans
   d'Existence, [Les Houches Ecole d'Ete de Physique
   Theorique], 66th, Les Houches, Fr., July 30-Aug.
   30, 1996 (1998), Meeting Date 1996, 1-24.
   Editor(s): Nifenecker, H. Publisher: Elsevier,
   Amsterdam, Neth. CODEN: 66YQAE
DT Conference; General Review
LA English
RE.CNT 83  THERE ARE 83 CITED REFERENCES AVAILABLE
   FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE
   FORMAT
RE
(7) Becquerel, H; C R Acad Sci Paris 1901, V132, P1289
   CAPLUS
(22) Curie, M; C R Acad Sci Paris 1902, V135, P161
   CAPLUS
(23) Curie, M; C R Acad Sci Paris 1907, V145, P422
   CAPLUS
(27) Curie, P; C R Acad Sci Paris 1901, V132, P548
   CAPLUS
(28) Curie, P; C R Acad Sci Paris 1903, V136, P673
   CAPLUS
```

The revised CA/Caplus Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/cass.html

www.cas.org/ONLINE/DBSS/caplusss.html

The CA Database Summary Sheet is also included with this issue of *STNews*.

CHEMCATS

–contains over 8.1 million records

CHEMCATS has grown to over 850 catalogs from more than 700 publishers and over 8.1 million records, 7.8 million of which have CAS Registry Numbers assigned.

In addition, more than 2.7 million CAS Registry Numbers in REGISTRY now point to CHEMCATS.

The revised CHEMCATS Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/chemcatss.html

CHEMLIST®/HCHEMLIST

–ECL, ELINCS, and ENCS inventories updated

Updates to the Korean Existing Chemicals List (ECL) are now available. The updates are current through June 2004.

The Sixth Publication (draft October 2003) of the European List of Notified Chemical Substances (ELINCS) is now available.

Updates to the Japanese Existing and New Chemical Substances List (ENCS) are now available. The updates are current through January 2004.

The revised CHEMLIST/HCHEMLIST Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/chemlistss.html

www.cas.org/ONLINE/DBSS/hchemlistss.html

DEMAS

German Trademarks Search System

–file to be removed from STN

Effective December 31, 2004, DEMAS will no longer be available on STN.

EUMAS

European Community Trademarks Search System

–file to be removed from STN

Effective December 31, 2004, EUMAS will no longer be available on STN.

EUROPATFULL

European Patent Office Patents

–file to be removed from STN

Effective December 31, 2004, EUROPATFULL will no longer be available on STN. A new database will replace it.

Look for details in the January/February issue of *STNews*.

EUROPEX

ABS Europe Production Europex

–file to be removed from STN

Effective December 31, 2004, EUROPEX will no longer be available on STN.

FORKAT

BMBF Support Catalogue

–file to be removed from STN

Effective December 31, 2004, FORKAT will no longer be available on STN.

IMSPATENTS

IMS LifeCycle, Patent Focus

–added to additional database clusters

IMSPATENTS has been added to the HPATENTS, PATENTS, and PHARMACOLOGY database clusters.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The IMSPATENTS Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/imspatentsss.html

IRMAS

International Register Trademarks Search System

–file to be removed from STN

Effective December 31, 2004, IRMAS will no longer be available on STN.

KOREAPAT **Korean Patent Abstracts** *–new patent database available*

A new patent database, Korean Patent Abstracts (KOREAPAT), is available on STN. It is produced by the Korean Institute of Patent Information (KIPI) on behalf of the Korean Intellectual Property Office (KIPO).

KOREAPAT provides access to (South) Korean patent information in English and covers:

- Unexamined patent applications (A-documents) from 2000 to the present
- Examined patent applications (B-documents) from 1979-2001

KOREAPAT records contain:

- Abstracts in English (created by KIPO)
- International Patent Classification (IPC) codes
- Inventor
- Patent assignee
- Patent publication data
- Titles in English (created by KIPO)

An image of the drawing is also included for most records.

Simultaneous left and right truncation is available in the Basic Index (/BI).

KOREAPAT is updated irregularly (4-5 times per year). Current-awareness alerts (SDIs) are not available.

KOREAPAT participates in the STN Information Keep & Share Program.

For pricing information, see HELP COST in the file.

The KOREAPAT Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/koreapatss.html

MEDLINE **MEDlars ONLINE** *–additional data added*

Data from 1950 has been added, and MEDLINE now contains records from 1950 to the present.

The revised MEDLINE Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/medliness.html

PATOSDE **Patent Online System Deutschland** *–file to be removed from STN*

Effective December 31, 2004, PATOSDE will no longer be available on STN.

PATOSEP **Patent Online System Europa** *–file to be removed from STN*

Effective December 31, 2004, PATOSEP will no longer be available on STN.

PATOSWO **Patent Online System World** *–file to be removed from STN*

Effective December 31, 2004, PATOSWO will no longer be available on STN.

PS **Pharmaceutical Substances** *–added to an additional database cluster*

PS has been added to the BIOSCIENCE database cluster.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The PS Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/psss.html

REGISTRY/ZREGISTRY *–structural repeating unit (SRU) matching enhanced*

Structure searching for structural repeating units (SRUs) containing C3H6 or C3F6 units has been enhanced. Polymers containing C3H6 or C3F6 units in their SRU now also match any structure query that contains a valid expansion of the C3H6 or C3F6 units.

For example, any of these queries

O-C-C-O
O-C-C(C)-O
O-Ak-O
O-CH2-CH(CH3)-O

now match the database structure O-[C3H6-O]_n-, e.g., CAS RN 9003-13-8.

The revised REGISTRY/ZREGISTRY Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/registryss.html
www.cas.org/ONLINE/DBSS/zregistryss.html

RUSSCI **Russian Scientific News** *–file to be removed from STN*

Effective December 31, 2004, RUSSCI will no longer be available on STN.

SIGLE **System for Information on Grey Literature in Europe** *–file to be removed from STN*

Effective December 31, 2004, SIGLE will no longer be available on STN.

TOXCENTER *–additional data added to MEDLINE file segment*

Data from 1950 has been added to the MEDLINE file segment of TOXCENTER. The MEDLINE file segment now contains records from 1950 to the present.

The revised TOXCENTER Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/toxcenterss.html

WPIDS/WPINDEX/WPIX **Derwent World Patents Index®** *–special offer for Derwent World Patents Index Open Access License customers; two Derwent Chemistry Resource display fields no longer available*

If you are currently a Derwent World Patents Index (WPI) Open Access License (OAL) customer, you can now search Derwent WPI First View (WPIFV) for no extra cost until your license expires.

If you purchase a Derwent WPI OAL by December 31, 2004, you can enjoy complimentary access to WPIFV and LitAlert® until your license expires.

To take advantage of this offer, contact your US-based FIZ Karlsruhe representative:

- In the Eastern US, Rob Austin (robert.austin@fiz-k.com)
- In the Western US, Mark Markley (mark.markley@fiz-k.com)

Two Derwent Chemistry Resource display fields, ISOSMILES strings (ISMI) and SMILES strings (SMIL), are no longer available.

The revised WPIDS/WPINDEX/WPIX Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/wpids.html
www.cas.org/ONLINE/DBSS/wpidex.html
www.cas.org/ONLINE/DBSS/wpix.html

WPIFV **Derwent World Patents Index First View** *–English translations available for main claims in JP-A and JP-B patents; new training material available*

English translations of main claims for both JP-A and JP-B patents are now included in WPIFV records. As with the translations for the titles and abstracts, the main claim is created using Thomson Scientific's proprietary Machine Assisted Translation (MAT) system with additional processing by Thomson Scientific's technical staff in Japan.

A sample record is available at:

www.thomsonderwent.com/media/productpdfs/samplestndwpifvrecords.pdf

A new manual that illustrates how to search in WPIFV, *The Derwent World Patents Index First View* STN User Guide, is now available at:

www.stn-international.de/training_center/patents/dwpifv_man.pdf

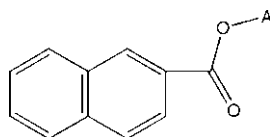
The WPIFV Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/wpifvss.html

Retrieving structure nodes in rings and chains

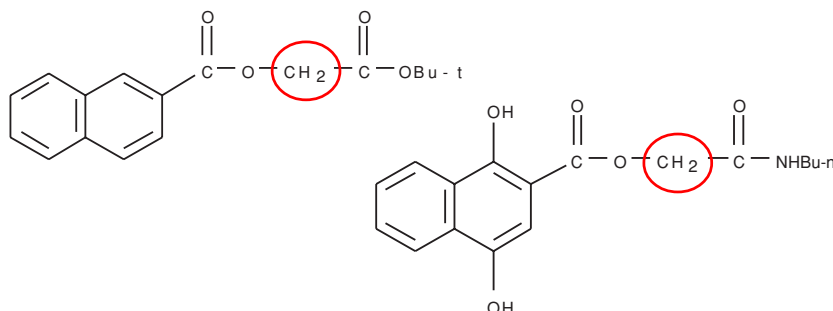


Example: Find substances containing the following substructure:



Answers retrieved with the node default at the terminal node A

If you do not override the node default at the A node, the system assumes that the A node is a chain node. Therefore, answers such as the following are retrieved. The atom matching the A is circled.

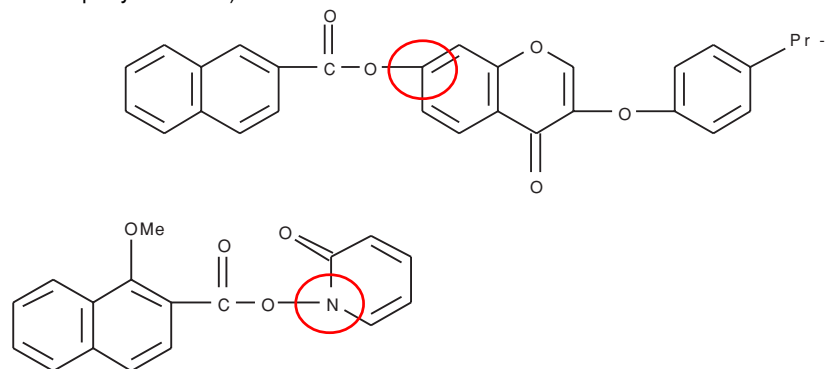


Q. Does a node in a REGISTRY or MARPAT query structure automatically retrieve structures with that node in a ring or chain?

A. It depends. The default in structure building in CAS databases on STN is “what you see is what you get.” Unless you modify the query structure, a specific atom or a generic node in a ring will retrieve rings. A node in a non-ring position will retrieve structures with that node in a chain only. However, you can override the node default so that, for example, a non-cyclic node such as the A in the example query will retrieve both cyclic and non-cyclic groups.

Additional answers retrieved if the terminal A node is a ring or chain

If you specify that the A node may be either ring or chain, then additional answers such as the following are retrieved in which A is in a ring (the atom matching the A in the query is circled):



If you want the non-cyclic A in your query to retrieve all of the above types of substances, you need to override the default and set the A to retrieve “ring or chain.”

Changing the node characteristics to ring or chain

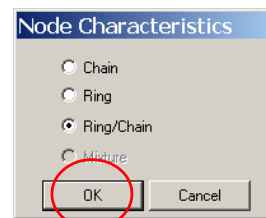
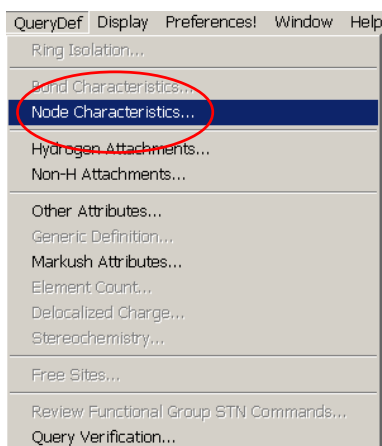
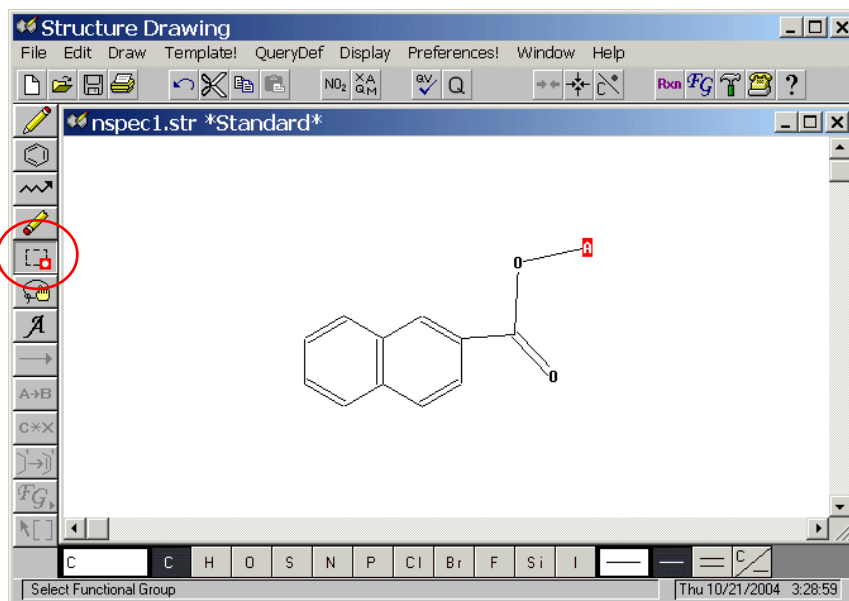
When using STN Express with *Discover!* or STN on the Web, you can change the node characteristics to ring or chain:

- In structure building
- While saving the structure

Changing the node characteristics in structure building

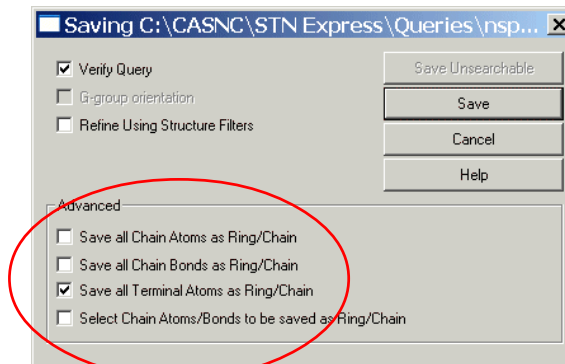


1. Click the Selection Tool
Click the node A whose node characteristics will be changed. The node A is highlighted.
2. Select **Node Characteristics** from the QueryDef menu.
3. Choose **Ring/Chain**. Click **OK**.



Changing node characteristics while saving a structure

When a structure is saved, four advanced options appear, including **Save all Terminal Atoms as Ring/Chain** and **Save all Chain Atoms as Ring/Chain**. Select the option of interest before saving the structure query.



Additional resources

For additional information, refer to the *Structure Searching in the CAS Registry File on STN Student Manual*, available at:

www.cas.org/ACAD/strcsrch.pdf

Using thesauri on STN

Have you ever wanted to take advantage of a thesaurus in an STN database but did not know where to start? To get some background information, read the answers to some questions that you might have. Then look at some examples that illustrate how to use thesauri in three databases, MEDLINE, INSPEC, and CAplus, on STN.

Why use thesauri in STN databases?

Most thesauri contain database indexing terms or other “controlled” terminology. You can use the terms from a thesaurus to:

- Develop a search strategy of indexing terminology
- Learn the terminology of the field to develop a free-text search strategy in the Basic Index

In which fields is a thesaurus available?

A thesaurus is not included in all databases on STN. To determine which databases contain thesauri, check the STN Database Summary Sheet.

There are several ways to determine which fields in a database have a thesaurus:

- Check the list of search fields on the STN Database Summary Sheet for the database of interest. Thesaurus availability is indicated by a footnote.
- Enter HELP THESAURUS at an arrow prompt in the database.
- EXPAND on a term in the field of interest. The presence of the Associated Terms (AT) column indicates that a thesaurus is available (see examples).

You can use the terms from a thesaurus to develop a search strategy of indexing terminology and learn the terminology of the field to develop a free-text search strategy in the Basic Index.

What do the various thesaurus codes, e.g., BT, NT, mean?

A list of the thesaurus relationship codes for a given field in a database is available on the STN Database Summary Sheet as well as in an online HELP message. To view the online HELP message, enter HELP RCODE at an arrow prompt in the database.

The most common thesaurus relationship codes are:

- ALL (All Associated Terms)
- BT (Broader Terms)
- NT (Narrower Terms)
- USE (Preferred (Used) Terms)
- UF (Used For) Terms

How do I use a thesaurus and its relationship codes?

EXPAND or SEARCH on a term or an E-number. Follow the term or an E-number by the plus sign (+) and the relationship code. For example, to display Narrower Terms associated with E3, enter EXPAND E3+NT.

When I use the relationship code +ALL, why do I sometimes not get all the terms in a thesaurus that I expect to be associated with a term?

Terminology in a thesaurus is organized by using the preferred or used terms. The preferred term must be found before you can display all the related terms.

For example, if you EXPAND on a non-preferred term, i.e., Used For term, followed by +ALL, the thesaurus will point you to USE (or preferred term). Then, EXPAND on the preferred term to obtain ALL the associated terms.

Since the indexing terms for a database are in the Controlled Term (/CT) field, is there an easy way to search the indexing terms in the Basic Index (/BI)?

Instead of entering the indexing terms without the /CT field code, you can change the field code for the E-numbers from the thesaurus to /BI.

Search Tip

This example illustrates the following:

- You can easily check online if a thesaurus is available in a field. EXPAND on a term of interest in the field, e.g., Controlled Term (/CT). The presence of the Associated Terms (AT) column indicates that a thesaurus is available in this field.
- To obtain additional thesaurus terms, EXPAND on terms for which there are associated terms in the AT column.
- In order to view the hierarchy of all related terms, you must first find the USE (preferred) term, and then EXPAND on the USE term followed by +ALL.
- To use the thesaurus for searching, enter SEARCH followed by a valid thesaurus term followed by the plus sign (+) and the relationship code.

Example: Find literature on hepatitis vaccines in MEDLINE.

```

=> FILE MEDLINE

=> E HEPATITIS VACCINE/CT 6
E#  FREQUENCY  AT      TERM
--  -
E1      0      2      HEPATITIS NON-A, NON-B ANTIGEN/CT
E2      0      2      HEPATITIS TOX/CT
E3      0      -->    HEPATITIS VACCINE/CT
E4      0      2      HEPATITIS VACCINES, VIRAL/CT
E5      0      2      HEPATITIS VIRUS/CT
E6      0      2      HEPATITIS VIRUS (MHV) GLYCOPROTEIN
                               E2/CT

=> E E4+ALL
E1      0      -->    Hepatitis Vaccines, Viral/CT
E2      2642    USE    Viral Hepatitis Vaccines/CT
***** END *****

=> E E2+ALL
E1      0      BT5    D Chemicals and Drugs/CT
                               :
                               :
E9      13957    BT1    Viral Vaccines/CT
E10     2642    -->    Viral Hepatitis Vaccines/CT
E11     6142    MN     D24.310.894.899.955./CT
                               DC     an INDEX MEDICUS major
                               descriptor
                               NOTE  Any vaccine raised against
                               any virus or viral derivative
                               that causes hepatitis.
                               INDX   coord IM with specific
                               hepatitis virus or viral
                               hepatitis (IM or NIM) if
                               pertinent
                               AQ     AD AE AG AI AN BI BL CF CH CL
                               CS CT DU EC GE HI IM IP ME PD
                               PK PO RE SD SEST TO TU UR
                               PNTE  Hepatitis, Viral, Animal
                               (1977-1984)
                               PNTE  Hepatitis, Viral, Human
                               (1977-1984)
                               PNTE  Viral Vaccines (1966-1984)
                               HNTE  85
                               MHTH  NLM (1985)
E12      0      UF     Hepatitis Vaccines, Viral/CT
E13      0      UF     Hepatitis, Viral, Vaccines/CT
E14      0      UF     Vaccines, Viral Hepatitis/CT
E15      765    NT1    Hepatitis A Vaccines/CT
E16     4526    NT1    Hepatitis B Vaccines/CT
***** END *****

=> S E10+NT
L1      6142    "VIRAL HEPATITIS VACCINES"+NT/CT  (4 TERMS)

=> D HIT 4
L1      ANSWER 4 OF 6142      MEDLINE on STN
CT      Check Tags: Human
        *Hepatitis B Vaccines: IM, immunology
        :
        :

```

Enter MEDLINE.

EXPAND on a term in the Controlled Term (/CT) field. The term entered is not a valid CT term (0 postings) and there are no associated thesaurus terms. E4 is related to the term and there are two associated thesaurus terms.

EXPAND on E4+ALL to display the preferred (USE) term in the thesaurus.

EXPAND on E2+ALL to view all associated terms for the USE term.

Search the E10 term plus all the Narrow Terms (NT).

Display a record.

This example shows how you can find and use thesaurus terminology to develop a free-text search strategy in the Basic Index. The following steps are illustrated:

- EXPAND on all associated terms for a valid controlled term in the /CT field.
- Decide which terms you want to search in the Basic Index (/BI). Append the E-numbers with /BI to change the field code from /CT to /BI.

Example: Find literature on photolithography in INSPEC.

```
=> FILE INSPEC

=> E PHOTOLITHOGRAPHY/CT 6
E#   FREQUENCY   AT   TERM
--   -
E1      0         2   PHOTOIONIZATION/CT
E2      0         3   PHOTOISOMERISATION/CT
E3     10912      25 --> PHOTOLITHOGRAPHY/CT
E4     62227      12   PHOTOLUMINESCENCE/CT
E5     4851       16   PHOTOLYSIS/CT
E6      0         1   PHOTOMAGNETIC/CT

=> E E3+ALL
E1      2808      BT1  LITHOGRAPHY/CT
E2     10912      --> PHOTOLITHOGRAPHY/CT
                        DA   JANUARY 1974
E3      0         UF   G-LINE LITHOGRAPHY/CT
E4      0         UF   OPTICAL LITHOGRAPHY/CT
E5     8791       NT1  PHOTORESISTS/CT
E6     3794       NT1  ULTRAVIOLET LITHOGRAPHY/CT
E7     2550       NT1  X-RAY LITHOGRAPHY/CT
E8      591       NT2  LIGA/CT
E9      592       NT2  X-RAY MASKS/CT
E10    27941      RT   INTEGRATED CIRCUIT TECHNOLOGY/CT
E11    9025       RT   MASKS/CT
E12    1464       RT   PHASE SHIFTING MASKS/CT
E13    3001       RT   PHOTOGRAPHIC APPLICATIONS/CT
E14    10377      RT   PRINTED CIRCUITS/CT
E15    1510       RT   PROXIMITY EFFECT (LITHOGRAPHY)/CT
E16    938        RT   RETICLES/CT
E17    15206      RT   SEMICONDUCTOR TECHNOLOGY/CT
E18    2419       PT   INTEGRATED CIRCUIT PRODUCTION/CT
E19    3001       PT   PHOTOGRAPHIC APPLICATIONS/CT
E20    10377      PT   PRINTED CIRCUITS/CT
E21    7033       CC   B2210/CT
E22    6364       CC   B2220/CT
E23    31446      CC   B2550G/CT
E24    75469      CC   B2570/CT
E25    10340      CC   B2575F/CT
***** END *****

=> S E2/BI OR E5-E9/BI
      :
      :

L1     26012 PHOTOLITHOGRAPHY/BI OR (PHOTORESISTS/BI OR
      "ULTRAVIOLET LITHOGRAPHY"/BI OR "X-RAY
      LITHOGRAPHY"/BI OR LIGA/BI OR "X-RAY MASKS"
      /BI)

=> D HIT 2

L1 ANSWER 2 OF 26012 INSPEC (C) 2004 IEE on STN
CT CARBON NANOTUBES; CHEMICAL VAPOUR DEPOSITION; ETCHING;
  FIELD EMITTER ARRAYS; NANOTUBE DEVICES; ULTRAVIOLET
  LITHOGRAPHY
```

Enter INSPEC.

The EXPAND listing shows that photolithography is a valid index term in INSPEC, e.g., postings are available in the /CT field, and it is associated with other terms in the thesaurus.

EXPAND on ALL associated terms for photolithography.

Append the E-numbers with /BI to search the CT thesaurus terms in the Basic Index.

Display a record.

Search Tip

This example shows that the same basic usage principles apply even if a thesaurus has more complex relationships among its terms:

- For a given CA section, the CA section thesaurus may show more than one USE (preferred) term.
- EXPAND on any of the USE terms in order to view all the related thesaurus terms, such as OLD (previously used) sections corresponding to the CA section of interest.

Example: Find all CA sections in CAPLUS with content corresponding to the current CA section 1, Pharmacology.

```
=> FILE CAPLUS

=> E 1/CC
E#  FREQUENCY  AT  TERM
--  -
E1      1      053/CC
E2      1      053-3/CC
E3     908249   8 --> 1/CC
E4     22188   8  1 APPARATUS AND PLANT EQUIPMENT,
      1924-1934/CC
E5      9650   8  1 APPARATUS, 1906-1923/CC
E6     56035  10  1 APPARATUS, PLANT EQUIPMENT, AND
      UNIT OPERATIONS, 1935-1961/CC
E7     11127   8  1 HISTORY, EDUCATION, AND
      DOCUMENTATION, 1963-1971/CC
E8      786   8  1 HISTORY, EDUCATION, AND LITERATURE,
      1962 ONLY/CC
E9     154787  20  1 PHARMACODYNAMICS, 1972-1981/CC
E10    653676  154  1 PHARMACOLOGY, 1982 TO PRESENT/CC
E11    119171   3  1-0/CC
E12      0     5  1-0 PHARMACODYNAMICS, 1972-1981,
      REVIEWS/CC

=> E E3+ALL
E1     908249  --> 1/CC
E2     22188   USE  1 APPARATUS AND PLANT EQUIPMENT,
      1924-1934/CC
E3      9650   USE  1 APPARATUS, 1906-1923/CC
E4     56035   USE  1 APPARATUS, PLANT EQUIPMENT, AND UNIT
      OPERATIONS, 1935-1961/CC
E5     11127   USE  1 HISTORY, EDUCATION, AND
      DOCUMENTATION, 1963-1971/CC
E6      786   USE  1 HISTORY, EDUCATION, AND LITERATURE,
      1962 ONLY/CC
E7     154787  USE  1 PHARMACODYNAMICS, 1972-1981/CC
E8     653676  USE  1 PHARMACOLOGY, 1982 TO PRESENT/CC
***** END *****
```

Enter CAPLUS.

EXPAND
on the section
number in the
Classification
Code (/CC)
field.

EXPAND on
all associated
terms for the
section
number
to view all
preferred
(USE) terms,
i.e., the
sections
numbered
1 with their
titles and the
time period
when they
were used.

Additional resources

For more information on using thesauri, refer to the following documentation:

- *Using Online Thesauri on STN Quick Reference Card*, available at:
www.cas.org/ONLINE/QR/thesauri.pdf
- *Using the CA Section Online Thesaurus Quick Reference Card*, available at:
www.cas.org/ONLINE/QR/casecthes.pdf
- *STN Note 25, The CA Lexicon on STN*, available at:
www.cas.org/ONLINE/STN/STNOTES/stnotes25.pdf
- *INSPEC: Chemical and Numerical Indexing on STN workbook*, available at:
www.stn-international.com/training_center/engineering/inspec_chem_idx.pdf

For more information on using the Company Name Thesaurus search aid in CA/CAplus for patent assignee searching, refer to the Patent Interchange article on page 18 of the March/April 2004 issue of *STNews*.

=> E E8+HIS,NOTE

```
E1 653676 --> 1 PHARMACOLOGY, 1982 TO PRESENT/CC
E2 154787 OLD 1 PHARMACODYNAMICS, 1972-1981/CC
E3 119978 OLD 11H BIOLOGICAL CHEMISTRY:
    PHARMACOLOGY, 1912-1961/CC
E4 44479 OLD 15 PHARMACODYNAMICS, 1967-1971/CC
E5 2300 OLD 17 PHARMACEUTICAL CHEMISTRY,
    1906-1909/CC
E6 28812 OLD 17 PHARMACEUTICAL CHEMISTRY,
    1911-1935/CC
E7 847 OLD 18 PHARMACEUTICAL CHEMISTRY, 1910
    ONLY/CC
E8 28542 OLD 68 PHARMACODYNAMICS, 1963-1966/CC
E9 5346 OLD 73 PHARMACODYNAMICS, 1962 ONLY/CC
NOTE THIS SECTION INCLUDES THE BIOCHEMICAL,
    PHYSIOLOGICAL, AND TOXIC EFFECTS OF
    DRUGS OR POTENTIAL DRUGS, THEIR
    METABOLISM, ANALYSIS IN BIOLOGICAL
    SYSTEMS, AND STRUCTURE-ACTIVITY
    RELATIONS. GENE THERAPY IS INCLUDED,
    BUT DRUG GENETIC ENGINEERING
    METHODOLOGY IS INCLUDED IN SECTION 3;
    COMMERCIAL PRODUCTION OF DRUGS BY
    GENETICALLY ENGINEERED ORGANISMS OR
    CELLS IS INCLUDED IN SECTION 16. DRUG
    FORMULATIONS ARE INCLUDED IN SECTION
    63; ANALYSIS OF DRUG FORMULATIONS
    APPEARS IN SECTION 64; THE
    PHARMACOLOGY OF HORMONES AND AGENTS
    AFFECTING REPRODUCTION, E.G.,
    CONTRACEPTIVES, IN SECTION 2;
    RADIOPHARMACEUTICALS, IN SECTION 8;
    EFFECTS OF ANTIBIOTICS, BACTERICIDES,
    ETC., ON MICROORGANISMS IN VITRO ARE
    PLACED IN SECTION 10; STUDIES
    EMPHASIZING THE SYNTHESIS OF DRUGS
    ARE PLACED IN THE APPROPRIATE
    SYNTHETIC ORGANIC OR INORGANIC
    SECTION; DRUGS USED ONLY AS TOOLS
    APPEAR IN THE SECTION APPROPRIATE TO
    THE ORGANISM OR PROCESS UNDER STUDY.
    HNTE SUBJECT WAS COVERED IN SOMEWHAT
    BROADER SECTIONS PRIOR TO 1936.
    THESE OLD BROADER SECTIONS CAN BE
    DISPLAYED USING THE +OLD RELATIONSHIP
    CODE.
```

***** END *****

View the history (HIS) and the note (NOTE) for E8, i.e., the preferred (USE) thesaurus term for the current section 1.

Searching for biomedical engineering information in COMPENDEX

Biomedical engineering is a discipline that advances knowledge in engineering, biology, and medicine, and improves human health through cross-disciplinary activities that integrate the engineering sciences and clinical practice. It includes relevant applications of engineering not only to medicine but also to basic life sciences.

In its broadest sense, biomedical engineering has been with us for centuries, perhaps even for thousands of years. In 2000, German archeologists discovered a 3,000-year-old mummy from Thebes with a wooden prosthesis tied to its foot to serve as a big toe.

Biomedical engineering achievements range from early devices, such as crutches, platform shoes, wooden teeth, and the ever-changing stock of instruments in a doctor's black bag, to more modern marvels, including pacemakers, heart-lung machines, dialysis machines, diagnostic equipment, imaging technologies, and artificial organs, implants, and advanced prostheses.

STN has many databases, e.g., BIOENG, BIOSIS, COMPENDEX, EMBASE, INSPEC, MEDLINE, and PASCAL, with biomedical engineering information, but one of the richest sources is COMPENDEX, the joint COMPuterized Engineering InDEX and Ei Engineering Meetings database. COMPENDEX provides worldwide coverage of significant literature in engineering and technology. Besides applied engineering, coverage also extends to manufacturing, quality control, and engineering management issues.

STN has many databases with biomedical engineering information, but one of the richest sources is COMPENDEX.

The COMPENDEX thesaurus

The COMPENDEX thesaurus shows related biomedical engineering terms and functions with both the EXPAND and SEARCH commands on STN in the Controlled Term (/CT) field.

For more information on thesauri in general, refer to the Search Tip article in this issue of *STNews*.

```
=> E BIOMEDICAL ENGINEERING+ALL/CT
E1      9883   BT1  Engineering/CT
E2      61051  --> Biomedical engineering/CT
                   DA   Predates 1975
                   NOTE Application of engineering to
                           biomedical practice and clinical
                           research
                           :
                           :
E15     19512  RT   Biomechanics/CT
E16     15121  RT   Biomedical equipment/CT
                   :
                   :
E20     8213   RT   Cardiology/CT
E21     1128   RT   Cardiovascular surgery/CT
E22     4499   RT   Computer aided diagnosis/CT
E23     10887  RT   Computerized tomography/CT
                   :
                   :
E41     14006  RT   Environmental engineering/CT
                   :
                   :
E47     16777  RT   Human engineering/CT
                   :
                   :
E55     22853  RT   Medical applications/CT
                   :
                   :
***** END *****
```

The COMPENDEX thesaurus shows related biomedical engineering terms and functions.

The Element Terms field

Biomedical engineering literature databases often contain references to chemical compounds. However, a free-text search of a complex chemical formula in the abstract or title can often prove to be difficult because many formulas contain special characters and information about the stoichiometry of elements.

These types of text strings in the Abstract (/AB) and Title (/TI) fields...	Are indexed in the Element Terms (/ET) field as/in...	Example
Subscripts and superscripts	On-line characters	CaF2
Elements	The order given in the original document and in Hill System order with an asterisk between element terms Note: In Hill System Order, C is always first and H is always second when C is present.	C*Au*Co*K
Two or more metals or semi-metals in the material description	Systems, i.e., each element is indexed with sy and the total number of elements in the system is also indexed	Co sy 4
One metal or semi-metal in the material description	Compounds, i.e., cp	O cp
Intermetallic compounds	Both systems and compounds	Cr cp; Al sy 3
Descriptions of Russian steels	Chemical symbols	Dy(n,gamma) 166Dy
Dopings separated from materials by a colon in solid state physics	Doping and doped materials	H doping; doped materials
Target nucleus in nuclear reactions	t	10B t
Incident particle in nuclear reactions	r (reactant)	n r
Final nucleus in nuclear reactions	f	166Dy f
Positive ions	ip	Ca ip 2
Negative ions	in	O in 2
Isotopes	is	C is

The Element Terms (/ET) field is a useful tool for searching chemical substances. Chemical formula text, material descriptions, alloys, eutectic systems, nuclear reactions, and doped systems that appear in a paper's abstract or title are scanned, identified, analyzed, and converted to a standard format by an algorithm created by FIZ Karlsruhe.

STN's unique /ET field is available in other engineering databases as well.

Additional resources

For more information on the Element Terms field, refer to page 94 of the *Searching Engineering Information on STN Workshop Manual*, available at:

www.stn-international.com/training_center/engineering/engin_man2.pdf

The Element Terms (/ET) field is a useful tool for searching chemical substances.

Example: Use the Element Terms (/ET) field to find calcium and phosphorus containing compounds related to biomedical engineering.

```
=> FILE COMPENDEX

=> S CA*P/ET AND BIOMEDICAL ENGINEERING/CT
    383 CA*P/ET
    61051 BIOMEDICAL ENGINEERING/CT
L1      11 CA*P/ET AND BIOMEDICAL ENGINEERING/CT

=> D L1 1-6 TI

L1 ANSWER 1 OF 11 COMPENDEX COPYRIGHT 2004 EEI on STN
TI Effect of biphasic calcium phosphates on drug release
and biological and mechanical properties of
poly(epsilon-caprolactone) composite membranes.

L1 ANSWER 2 OF 11 COMPENDEX COPYRIGHT 2004 EEI on STN
TI Use of sol-gel-derived titania coating for direct soft
tissue attachment.

L1 ANSWER 3 OF 11 COMPENDEX COPYRIGHT 2004 EEI on STN
TI Expressing, purifying of PTD-calbindin D28K fusion
protein and verifying its transmembrane ability
in vitro.

L1 ANSWER 4 OF 11 COMPENDEX COPYRIGHT 2004 EEI on STN
TI Highly directional transurethral ultrasound applicators
with rotational control for MRI-guided prostatic thermal
therapy.

L1 ANSWER 5 OF 11 COMPENDEX COPYRIGHT 2004 EEI on STN
TI Calcium phosphate coatings obtained by Nd:YAG laser
cladding: Physicochemical and biologic properties.

L1 ANSWER 6 OF 11 COMPENDEX COPYRIGHT 2004 EEI on STN
TI Anodic plasma-chemical treatment of CP titanium surfaces
for biomedical applications.
```

*Enter
COMPENDEX.*

*Enter the
elements in
Hill Order,
separated by
an asterisk
(*), followed
by /ET.*

*Display some
records.*

Using the Patent Number Wizard or the Patent Search Assistant

When searching for information on a patent, take advantage of the convenient Patent Number Wizard in STN Express with *Discover!* or Patent Search Assistant in STN® on the WebSM. You do not have to know what databases to enter, or what commands or display formats to use.

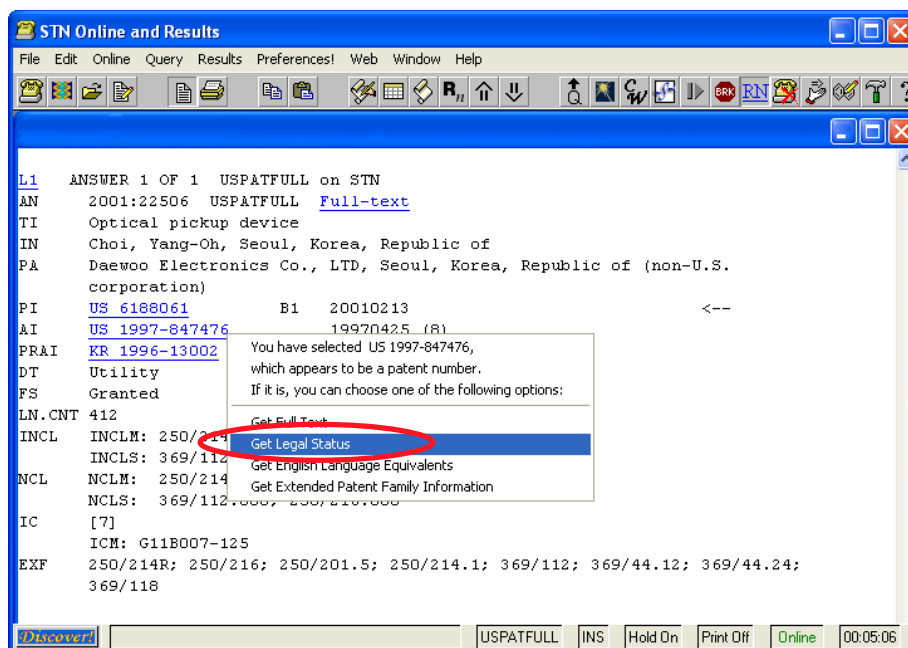
Using the Patent Number Wizard in STN Express with *Discover!*

Patent numbers, application numbers, and priority numbers in records are automatically hyperlinked when you display them in records in an STN Express with *Discover!* session. Click on a patent or application number. The Patent Number Wizard in STN Express with *Discover!* performs the necessary steps to find patent information for you.

The Patent Number Wizard in STN Express with *Discover!* performs the necessary steps to find patent information for you.

Example: Find legal status information for the patent US 6188061 in the following record in USPATFULL.

Conduct a patent search in STN Express with *Discover!*. Click the patent number, and select **Get Legal Status**.



The STN Express with *Discover!* Patent Number Wizard automatically performs the following steps:

```
=> SET NOTICE DISPLAY 1

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> INDEX IFICLS,PATOSEP,PATDPA,INPADOC

=> S US 6188061/PN,APPS
      1 FILE INPADOC
1 FILES HAVE ONE OR MORE ANSWERS, 4 FILES SEARCHED IN
STNINDEX
L2 QUE US 6188061/PN,APPS

=> FILE HITS

FILE 'INPADOC' ENTERED AT 13:51:05 ON 15 OCT 2004
COPYRIGHT (C) 2004 European Patent Office, Vienna (EPO)

=> S L2
L3      1 US 6188061/PN,APPS

=> D IBIB LS 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):Y

L3 ANSWER 1 OF 1 INPADOC COPYRIGHT 2004 EPO on STN

LEVEL 1
ACCESSION NUMBER:      148022327 INPADOC EW 200114 ED
                        20010410 Full-text
                        UW 200114 UP
                        20010410
TITLE:                 OPTICAL PICKUP DEVICE.
                        :
                        :
PATENT INFORMATION:

                        NUMBER          KIND      DATE
                        -----
                        US 6188061          BA 20010213
APPLICATION INFO.:     US 1997-847476      A 19970425
PRIORITY APPLN. INFO.: KR 1996-13002      A 19960426
                        (EDPR 19990406)

LEGAL STATUS
AN 148022327 INPADOC Full-text
20010227 USWDR - PATENT WITHDRAWN ACCORDING TO LISTING
ISSUED BY THE USPTO ON PRS-DATE

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED
```



Example: Find legal status information for the patent US 6188061.

The Patent Search Assistant in STN on the Web guides you through the process of finding patent information.

Using the Patent Search Assistant in STN on the Web

The Patent Search Assistant in STN on the Web guides you through the process of finding patent information.

Simply follow these steps:

1. Log on to STN on the Web.
2. Select **Patent Search** from the list of Search Assistants on the left-hand navigation frame.
3. Enter the patent number and select **Legal Status** from the search options.
4. Select a display option. Click **Display**.

The screenshot shows the STN on the web interface. On the left is a navigation menu with 'Patent Search' highlighted. The main area is titled 'Patent Search' and contains a form for entering a patent number. The number 'US 6188061' is entered and circled in red. Below the number are radio buttons for 'Patent', 'Application/Priority', and 'Uncertain'. A 'Legal Status' button is also circled in red. Other buttons include 'All STN References', 'Abstracts, Claims, Indexing', 'STN Full Text', 'Family Information', and 'Citations'.

The screenshot shows the STN on the web interface displaying the results for the patent search. The title is 'Patent Search Legal Status'. The number 'US 6188061' is shown. Below it, it says '1 answer(s) in INPADOC'. There are three radio buttons for display options: 'Legal Status', 'Patent Number and Legal Status', and 'Bibliography and Legal Status'. The 'Legal Status' option is selected. Below that are 'Family Formats' with three radio buttons: 'Family Table and Legal Status', 'Condensed Family Table and Legal Status', and 'Full Family Format incl. Legal Status'. The 'Full Family Format incl. Legal Status' option is selected. At the bottom, there is a text input field with the number '1' and a 'Display' button circled in red.

The Patent Search Assistant in STN on the Web automatically performs the following steps:

```
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LEVEL 1
ACCESSION NUMBER:      148022327 INPADOC   EW 200114   ED
                        20010410                               UW 200114   UP
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TITLE:                 OPTICAL PICKUP DEVICE.
                        :
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PATENT INFORMATION:
                        NUMBER          KIND          DATE
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APPLICATION INFO.:     US 6188061          BA 20010213
                        US 1997-847476      A 19970425
PRIORITY APPLN. INFO.: KR 1996-13002      A 19960426
                        (EDPR 19990406)
INT. PATENT CLASSIF.:
  MAIN:                (7) G11B007-125
EUR. PATENT CLASSIF.: G11B7/12H
NAT. PATENT CLASSIF.: 2502141; X369112; X250216

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