



Latest New STN® Release Features Eight New Databases Including MARPAT® from CAS for Markush Structure Searching

The summer 2015 new STN release was launched on August 1st, 2015. Effective with the release, the chemical search capabilities in new STN have now been extended to include Markush structures. MARPAT, produced by CAS, enables access to the rapidly growing number of generic structures disclosed in patents and is tightly integrated with CPlusSM for related patent bibliographic information. The graphic on the right shows results of a MARPAT search on new STN. Please note the highlighting of the searched Markush structure.

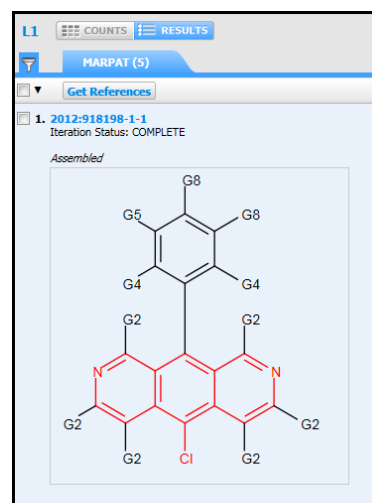
In addition, a number of new databases extends the subject content of new STN to additional areas of science and technology and expands its chemistry content:

- COMPENDEX and INSPEC® - Engineering
- TULSA, ENCOMPLIT and ENCOMPAT - Petroleum, energy (subscriber access only)
- REAXYSFILESub and REAXYSFILEBib - Chemical substance information and associated references

Other highlights of the new release confirm the importance of customer feedback in driving new and enhanced functionality:

- Export support for XML and BizInt Smart Charts increases the ability to share, analyze and report search results
- New non-Java structure editor eliminates Java dependencies
- CPC and IPC thesauri help searchers incorporate classification codes into search strategies
- Numerous workflow and interface refinements enable greater efficiency and usability

The new STN platform is available to fixed fee customers, including those with Global Value Pricing and Search Service Value Pricing agreements. For more information, see the [What's New link](#) within the STN Help menu, or join us for *What's New in new STN, Summer 2015*, a WebEx overview of the latest release. Register [here](#).



Conference Overview: SLA 2015 Annual Conference and INFO-EXPO

The Special Libraries Association's 2015 Annual Conference and INFO-EXPO was held in mid-June in Boston, Massachusetts. CAS staff welcomed many of the 2,100 people who visited the Exhibit Hall to our booth, where demonstrations of STN and a variety of CAS products were provided.

CAS was proud to be a sponsor of several sessions at the conference, and CAS staff actively participated in several conference events. Click [here](#) to learn more.



A Look at Recent Patenting Activity in Catalytic Converters

patentpicks

Catalytic converters, found in all U.S. automobiles made since 1975, help clean engine exhaust by breaking down gaseous molecules that produce smog. These marvels of heterogeneous catalytic chemistry oxidize volatile hydrocarbons and carbon monoxide and reduce nitrous oxides (NO_x). The converters use a three-way catalyst (TWC) consisting of rhodium, palladium and platinum to turn those smog precursors into water, carbon dioxide and nitrogen. The three metals are embedded into a porous material such as aluminum oxide (Al₂O₃) to increase the catalyst surface area. Manufacturers also mix in rare-earth metal oxides to serve as another source of oxygen for the catalytic reactions. This is necessary for times when the exhaust has low oxygen levels, such as when the car is accelerating or when the engine is still cold. Click [here](#) to learn more about recent catalytic converter patents.

Combining Chemical Structure and Ring System Data Searches in the CAS REGISTRYSM Database



Chemical structure searches with variables like "Hy" can be used to identify compounds with broadly defined groups, in this case, a heterocyclic ring system. Sometimes a search might need more precision than attributes like "polycyclic" rings or element counts can provide. Read more about Combining Chemical Structure and Ring System Data search terms [here](#).

Search Tip

Unravelling XP Numbers

Q. *A client has an XP number (XP002726421) and would like you to explain what an XP number is and provide information about the document associated with this XP number.*

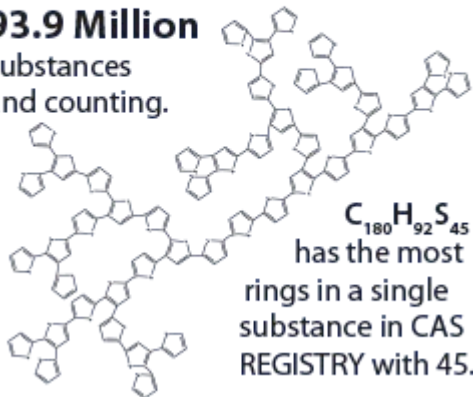
Upcoming Training

What's New in new STN, Summer 2015
August 12, 9:00 am EDT
August 13, 9:00 am EDT
August 18, 1:00 pm EDT

A. European Patent Office (EPO) search examination can retrieve both patent and non-patent literature (NPL) relevant to the application being examined. Patent numbers are provided for patents of interest. Non-patent literature documents do not have patent numbers and are assigned NPL reference numbers instead. These numbers are patterned after patent numbers and consist of the letters XP (instead of a country code) followed by a variable length number, usually nine digits long. Click [here](#) for further information about XP numbers, including information about how to find XP numbers in INPADOC and in CAS databases.

STN[®] by the numbers


Ring structures are an Integral part of chemistry, identifiable within **93.9 Million** substances and counting.



C₁₈₀H₉₂S₄₅ has the most rings in a single substance in CAS REGISTRY with 45.

Save the Date!

STN Patent Forum at PIUG NE



Monday, October 12, 2015

Further details coming soon.

Searching the DWPI Chemistry Resource (DCR) database on the new STN platform, September 24, 2015
9:00 am EDT
2:00 pm EDT

Register for all of the training classes [here](#).

Tradeshows

August 16-20, 2015
Boston, MA
[250th ACS National Meeting](#)

September 27-29, 2015
Chicago, IL
[IPO Annual Meeting](#)

October 12-14, 2015
New Brunswick, NJ
[PIUG 2015 Northeast Conference](#)

September 30-October 2, 2015
Toronto, Canada
[AIPF \(Assoc. of Intellectual Property Firms\)](#)

October 5-9, 2015
Las Vegas, NV
[Supply Side West](#)

October 25-28, 2015
New York, NY
[LES Annual Meeting](#)

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