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 CAplusSM 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 ENCOMPPAT - 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

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\textsubscript{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 (Al\textsubscript{2}O\textsubscript{3}) 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 REGISTRY\textsuperscript{SM} 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.

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

**Save the Date!**

**STN Patent Forum at PIUG NE**

Monday, October 12, 2015

Further details coming soon.

**Your Opinion Matters**

Help shape the future of CAS products! Sign up for upcoming research activities, from short surveys to Web-based design discussions.