

STN[®]

STN[®] *Viewer*[™]

***Bigger, better and faster than
before***



Leeds, September 8th 2008

Yvonne Pope
Regional Marketing Manager
CAS

Introducing STN Viewer

- *Enhanced Full-Text Patent Evaluation and Navigation*
- **Along the way**
 - *Update on patent coverage on STN in particular CAS files*

STN[®] Viewer[™] is an exciting STN feature for patent evaluation

- STN Viewer is an easy-to-use, secure web interface that allows you to efficiently:

- Navigate
- Evaluate
- Share

the full-text of patent documents associated with patent search results retrieved from STN

STN Viewer streamlines full text patent evaluation

STN[®] Viewer[™]

- Seamlessly transition from patent searching to evaluation
- Quickly assess relevancy
- Easily evaluate large patents
- Improve communication of evaluation results

STN Viewer provides a better way to manage patent file results

- STN Viewer extracts patent numbers from a patent file search, finds corresponding full-text patent records, and allows you to:
 - Filter, sort, rate, and label records
 - Highlight terms in sections of the patent
 - Obtain related patent family and legal status
 - Move selected records to projects
 - Share selected projects

STN Viewer is easy to access

- Integrated with STN[®]
- STN Viewer may be used without downloading or installing new software
- STN Viewer can be launched by using:
 - STN Express Wizards
 - STN Viewer web address

STN Viewer involves 5 easy steps

- Step 1. Locate patent documents from an STN search
- Step 2. Set up projects in STN Viewer
- Step 3. Arrange, highlight, and annotate the records as needed
- Step 4. Conduct in-depth evaluation of the full-text of patent records
- Step 5. Share evaluated results with your client

Select records to be evaluated in STN

- Search any STN file with patent numbers, including CAplusSM and Derwent World Patents Index[®] (DWPISM)
- Full-text patent records **matching the patent numbers selected** are placed into a Patent Queue in STN Viewer

Full-text records will be added from nine STN full-text databases

- EPFULL - European Patent Office
- FRFULL - French Patent Office
- GBFULL – UK Intellectual Property Office
- PATDPAFULL - German Patent Office
- PCTFULL - World Patent Office
- RDISCLOSURE - Defensive publication
- USPATFULL - U.S. Patent Office
- USPAT2 - U.S. Patents latest publication
- USPATOLD - U.S. Patent Office back to 1790

Review of STN patent content

- Around 40 databases containing patent information
- Full text (as before)
- Bibliographic files incl
 - CAplus, Derwent World Patents Index, RUSSIAPAT, JAPIO, KOREAPAT, INPADOC, Biotechnology Abstracts, TULSA...

Review of CAS content

- What is still the same
 - Most current and comprehensive chemistry bibliographic database
 - Updated daily, currently contains 97 million substances
- What has changed recently
 - Additional coverage of Asia patents
 - Indexing policy for substances in patents
 - CAS definition of basic patents expanded

Additional coverage of Asia patents

- Increased currency and coverage for:
 - **China**. 1985 to date. (bib. data within 14 days, fully indexed within 50 days)
 - **Japan**. 1916 to date (bib. data within 2 days, fully indexed within 27 days)
 - **Korea**. 1994 to date. (bib. data within 14 days)
 - **India**. 1946 to date. (bib. data within 14 days)
 - *List not comprehensive*

Indexing policy for substances in patents

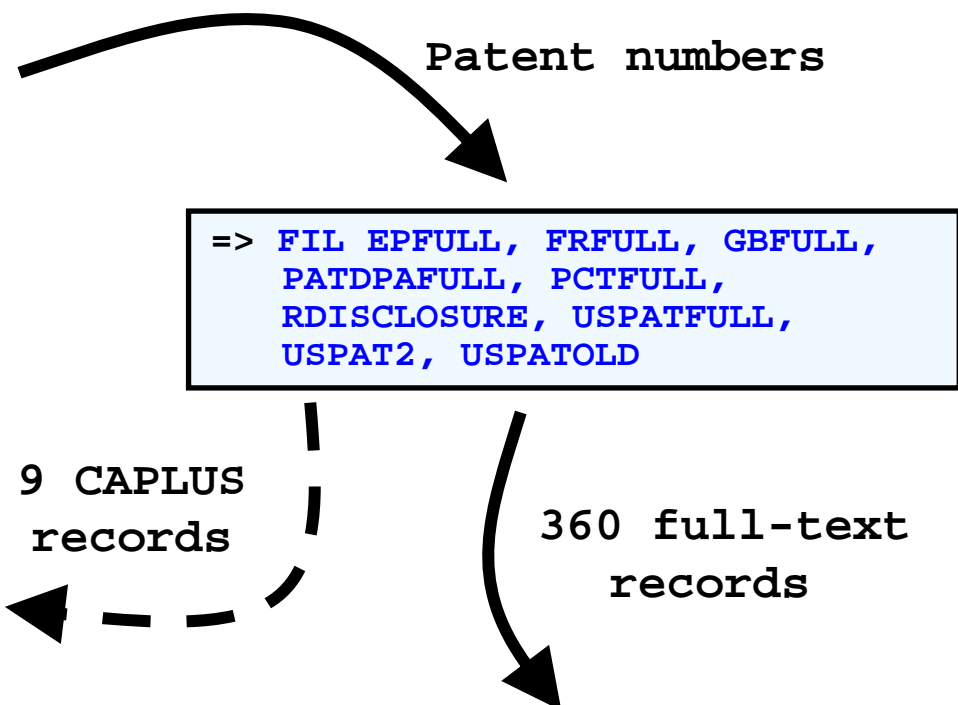
- Effective December 12, 2007, CAS began covering exemplified prophetic substances from English, French and German basic patents
- These are defined as:
 - Specific substances (e.g., reactants, isolated intermediates, products) that are described, but not characterized, in patent examples, and that do not also appear in patent claims. They may be identified (exemplified) by the inventor by chemical name or structure, including a structure displayed in tabular format
 - Known substances reported in a patent to have novel or new uses when no substantiation of the novel/new uses is provided

CAS definition of basic patents expanded

- Beginning July 1, 2008, both the PCT application and its original national equivalent(s) with oldest priority, from the U.S., DE, GB, FR, Canada, and/or the EPO, are being covered as basic patents in CAplus.
- If the first national application with oldest priority was filed in a country other than those listed above, then CAS traditional rule, that the basic is the first patent to arrive at CAS, will apply.
- With the new expanded definition of a basic patent, the number of patents eligible for basic patent analysis will increase, enhancing overall coverage of chemical substances.

The 'Evaluate with STN Viewer' Wizard identifies full-text patent availability

```
=> FILE CAPLUS  
  
=> S L1 AND (US OR WO OR EP)/PRC  
    1012921 US/PRC  
    443994 WO/PRC  
    112968 EP/PRC  
L2    149 L14 AND ...  
  
=>  
Launching STN Viewer  
  
360 records sent to STN Viewer  
  
L3    9 Answers not represented  
        in STN Viewer  
FIL STNGUIDE  
=>
```



STN Viewer is launched on the web

STN Viewer

Help Settings Contact Us

Project List

Patent Queue (360)

Add Project

New Project 1 (0)

Shared Projects (0)

Trash (0)

Patent Queue

Filter by: Labels

All Records

Refresh

Customize Patent Queue

Select Apply Label Actions

Sort by: Descending Project Entry Date

360 records

Advances in urethane foam catalysis
US 6458860 B1 USPATFULL




Blow molding method and system
US 2002122838 A1 USPATFULL

Records are placed into the Patent Queue in project entry date order.

The Patent Queue is the main depository for patent records




- The Patent Queue provides:
 - Patent titles
 - Patent country, kind codes, publication year
 - Database name for full-text patent record
- View a partial abstract
- Link to full-text record
- Move records into a Project

A partial abstract helps select relevant patents for further evaluation

 **Catalyst for production of a polyurethane resin and method for producing a polyurethane resin.**
EP 1262500 A1 EPFULL  

A method for producing a polyurethane resin, which comprises reacting a polyol with a polyisocyanate in the presence of a catalyst selected from the group consisting of a catalyst (A) containing an amine compound of the following formula (1) : (image...

Metadata link provides the dates a record initially entered the Patent Queue, was added to a Project, or was Shared

 Catalyst for production of a polyurethane resin and method for producing a polyurethane resin.
EP 1262500 A1 EPFULL  

Product entry date: Apr 17, 2007 02:00 pm

Project entry date: Apr 17, 2007 02:00 pm

Display the full-text patent record by clicking on its title

Select ▾ Apply Label ▾ Actions ▾ Sort by: Descending Project Entry Date ▾ 141 records

<input type="checkbox"/>	☆☆☆	Expandable compositions and methods of making and using the compositions US 6830799 B1 USPATFULL
<input type="checkbox"/>	☆☆☆	FOAM, AN INTERIOR ARTICLE DESTINED AND PRODUCTION M US 2001041752 A1 US
<input type="checkbox"/>	☆☆☆	In-mold foam molding molded articles US 2004009325 A1 US

☆☆☆ US 6830799 B1 USPATFULL

[Back to Patent Queue](#) [Apply Label](#) ▾ [Actions](#) ▾ [View Original](#)

B1 CAPLUS Family INPADOC FAMILY

bib description claims all

AN 2004:317220 USPATFULL
 TI Expandable compositions and methods of making and using the compositions
 IN Duffin, Gary Raymond, Liberty, MO, United States
 Lupini, Michael Allen, Milford, MI, United States
 Taylor, Donald W., Liberty, MO, United States
 Tkacz, Peter, Rudgy, UNITED KINGDOM
 PA Orbseal LLC, Richmond, MO, United States (U.S. corporation)
 PI US 6830799 B1 20041214
 AI US 2000-696854 20001026 (9)
 PRAI US 2000-219095P 20000718 (60)
 US 1999-161528P 19991026 (60)
 DT Utility
 FS GRANTED

US 4250997	Feb 1981		Bodenmann et al.
US 4680316	Jul 1987	521/139.000	Douglas
US 4745015	May 1988		Cheng et al.
US 5118531	Jun 1992	427/230.000	Petersen et al.
US 5266133	Nov 1993	521/139.000	Hanley et al.
US 5307985	May 1994		Beizermann
US 5373027	Dec 1994	521/084.100	Hanley et al.
US 5462975	Oct 1995		Yamamoto et al.
US 5506025	Apr 1996		Otto et al.
US 5506025	Apr 1996		Otto et al.

Titles in boldface have not yet been viewed.

Select terms and colors for highlighting

The screenshot displays the STN Viewer interface for patent US 6586487 B1. The main text area shows the 'FIELD OF THE INVENTION' and 'BACKGROUND OF THE INVENTION' sections. The word 'polyurethane' is highlighted in orange in the text. A blue-bordered box labeled 'List terms to highlight' is positioned over the text. To the right, a 'Highlighting' panel shows a list of terms with corresponding color selection buttons: Orange (selected), Yellow, Green, Blue, and Purple. The terms listed are 'urethane foam', 'polyurethane', 'catalyst', 'diisocyanate', 'automobile', and 'vehicle'. The interface also includes a top navigation bar with 'Help', 'Settings', and 'Contact Us' links, and a bottom navigation bar with 'Back to Patent Queue', 'Apply Label', 'Actions', and 'View Original' options.

STN[®] Viewer™

Help ▾ Settings Contact Us

Show ▾

☆☆☆ US 6586487 B1 USPATFULL

<< Back to Patent Queue Apply Label ▾ Actions ▾ View Original

B1 CAPLUS Family INPADOX FAMILY

bib description claims all

SUMM FIELD OF THE INVENTION

The invention relates to the field of polyurethane

BACKGROUND OF THE INVENTION

Automobile bumpers serve the primary purpose of protecting other functional parts of the automobiles upon collision. Automobile bumpers and other effective energy-absorbing devices should be capable of yielding on impact and recovering, either partially or completely, after the impact. Also, such structures must also satisfy size and weight limitations usually imposed by vehicle or other equipment manufacturers as well as any existing or proposed government performance standards.

It is well known in the art that there has been an ongoing need to develop an energy-absorbing polyurethane foam, useful in automobile bumpers, that exhibits both favorable strength properties at relatively lower densities than ordinary polyurethane foams.

It is the object of the present invention to provide a polyurethane material with a combination of such favorable properties.

SUMMARY OF THE INVENTION

The present invention, meeting the above-mentioned need, is directed to

Highlighting Notes

Orange ▾

urethane foam
polyurethane

Yellow ▾

catalyst

Green ▾

diisocyanate

Blue ▾

automobile
vehicle

Purple ▾

List terms to highlight

Use of truncation with highlighting provides powerful term analysis

The screenshot displays the STN Viewer interface for a patent document. The main window shows the patent details for US 2006020179 A1, including the title 'Noninvasive detection of a physiologic parameter with a probe' and the abstract. The abstract text is highlighted in various colors (yellow, green, blue, purple) to indicate different terms. A sidebar on the right, titled 'Highlighting', shows a list of terms extracted from the document, each with a corresponding color-coded dropdown menu. The terms listed are: Goldenrod (yellow), Orchid (purple), Mint (green), and Cornflower (blue). The 'Goldenrod' term is currently selected, and its associated terms are 'measuremen?, analys?'. The 'Orchid' term has associated terms 'noninvasiv?, non-invasiv?, non-invasiv?'. The 'Mint' term has associated terms 'temperature#, heat?, therm?, physiologic?, blood'. The 'Cornflower' term has associated terms 'probe?, device?'. Below the list of terms, there is a 'Gray' dropdown menu and a section for 'Overlapping Selections' with 'Apply' and 'Reset' buttons.

STN Viewer™

Help Settings Contact Us Session Cost

Show ▶

☆☆☆ US 2006020179 A1 USPATFULL 4 of 123 >>

<< Back to Diagnostics Apply Label Actions Display Related Content View Original

A1 INPADOC FAMILY

bib description claims all

AN 2006:22343 USPATFULL

TI Noninvasive detection of a physiologic parameter with a probe

IN Anderson, Edward J., Hopkins, MN, UNITED STATES
Reynolds, Brandon W., Prior Lake, MN, UNITED STATES
Winger, Kent R., Prior Lake, MN, UNITED STATES
Kimball, Victor E., Burnsville, MN, UNITED STATES

PA Optical Sensors, Inc., Eden Prairie, MN, UNITED STATES (U.S. corporation)

PI US 2006020179 A1 20060126

AI US 2005-185058 A1 20050720 (11)

RLI Continuation-in-part of Ser. No. US 2003-366903, filed on 14 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2002-162028, filed on 3 Jun 2002, ABANDONED

DT Utility

FS APPLICATION

LREP OPPENHEIMER WOLFF & DONNELLY LLP, 45 SOUTH SEVENTH STREET, SUITE 3300, MINNEAPOLIS, MN, 55402, US

AB The invention provides a device for contacting a surface of a patient's body to determine a physiologic parameter in a measurement region of a tissue of the patient. The device typically comprises a sensor responsive to the physiologic parameter and a probe housing the sensor. The probe is constructed to allow the sensor to be secured at a sensing site adjacent to the measurement region, without disturbing the blood flow within the measurement region of the tissue. The device may also include a means for reducing interference in the sensing area. Preferably, the device further comprises an indicating means operably connected to the sensor for indicating an analyte quantity and/or concentration associated with the physiologic parameter.

Highlighting Notes

Goldenrod
measuremen?, analys?

Orchid
noninvasiv?, non-invasiv?, non-invasiv?

Mint
temperature#, heat?, therm?, physiologic?, blood

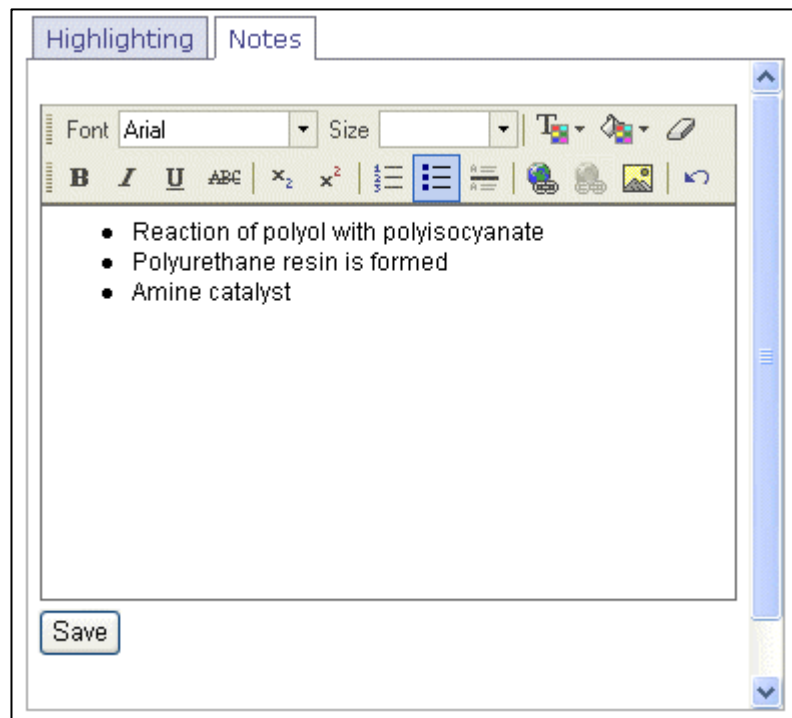
Cornflower
probe?, device?

Gray

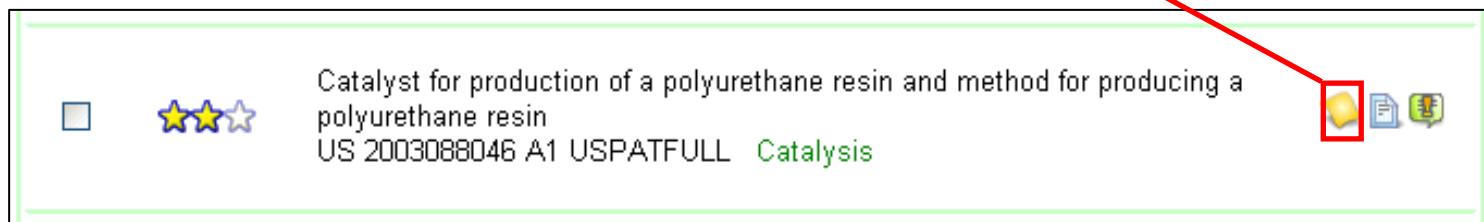
Overlapping Selections

Apply Reset

Records can be annotated



Records with notes are flagged in the Patent Queue.



Use the highlighting map to find desired terms in full-text of the patent

B2 | A1 | CAPLUS Family | INPADOC FAMILY

bib | description | claims | all

Click on Highlighting map to move through the full-text.

alkyl group, and A is a C.sub.5-10 straight chain or branched chain alkylene group.

14. The **catalyst** for production of a **polyurethane** resin according to claim 13, wherein the the amine compound of the formula (1) is an amine compound selected from the group consisting of N,N-dimethylpentamethylenediamine, N,N-dimethylhexamethylenediamine, N,N-dimethyloctamethylenediamine and N,N-dimethyldecamethylenediamine.

15. A **catalyst** for production of a **polyurethane** resin, which contains an amine compound of the following formula (2): ##STR27##

16. A **catalyst** for production of a **polyurethane** resin, which contains an amine compound of the following formula (3): ##STR28##

17. The **catalyst** for production of a **polyurethane** resin according to claim 16, which further contains an amine compound of the following formula (4): ##STR29##

The highlighting map guides us to claims text describing catalysts for polyurethane production

14. The catalyst for production of a polyurethane resin according to Claim 13, wherein the the amine compound of the formula (1) is an amine compound selected from the group consisting of N,N-dimethylpentamethylenediamine, N,N-dimethylhexamethylenediamine, N,N-dimethyloctamethylenediamine and N,N-dimethyldecamethylenediamine.



View family information from CAplus or INPADOCDB

The screenshot shows the STN Viewer interface. At the top left is the logo 'STN Viewer™'. Below it is a 'Show ▶' link. The main header area contains three stars, the patent number 'US 2007060806 A1 USPATFULL', and a small icon. Below the header are navigation links: '<< Back to Diagnostics', 'Apply Label ▼', 'Actions ▼', 'Display Related Content ▼', and 'View Original'. A red box highlights the 'Display Related Content' dropdown menu, which is open and shows two options: 'CAPLUS Family' and 'INPADOC Family', with a mouse cursor pointing at the latter. Below the navigation is a search bar containing 'A1' and a set of tabs: 'bib', 'description', 'claims', and 'all'. The main content area displays a patent record with the following text:
AN 2007:69550 USPATFULL
TI Raman spectroscopy for non-invasive glucose measurements
IN Hunter, Martin, Bradford, MA, UNITED STATES
Enejder, Annika, Goteborg, SWEDEN
Scecina, Thomas, Medfield, MA, UNITED STATES
Feld, Michael, Jamaica Plain, MA, UNITED STATES
Shih, Wei-Chuan, Cambridge, MA, UNITED STATES
PI US 2007060806 A1 20070315
AI US 2006-412418 A1 20060427 (11)

View legal status from INPADOCDB

B1 CAPLUS Family INPADOC FAMILY

[US 6737403](#) BB 20040518 [LS](#)

20010905 USAS ASSIGNMENT
INTRABIOTICS PHARMACEUTICALS, INC. 1245 TERRA BELL
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BORDERS, DONALD
B. /AR;REEL/FAME:012150/0683
20010827
.....20060119

20020731 USAS ASSIGNMENT
BIOSOURCE PHARM, INC. 135 ROUTE 59 EASTSPRING VALL
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BORDERS, DONALD
B. /AR;REEL/FAME:013133/0089
20020717
.....20051208

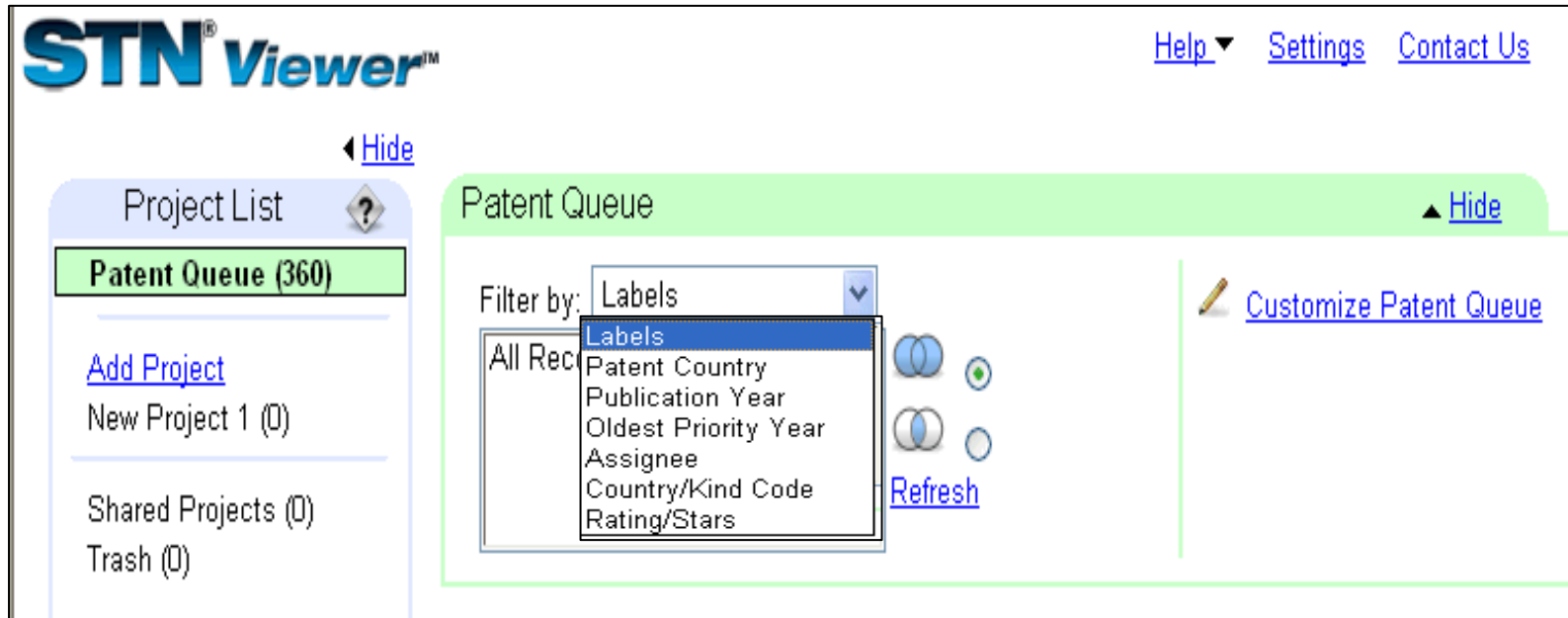
20020826 USAS ASSIGNMENT
INTRABIOTICS PHARMACEUTICALS, INC. 1245 TERRA BELL
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BIOSOURCE PHARM,
INC. /AR;REEL/FAME:013222/0890
20020719
.....20051208

20020927 USAS ASSIGNMENT
MICROLOGIX BIOTECH INC. 3650 WESBROOK MALLVANCOUVE
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:INTRABIOTICS
PHARMACEUTICALS, INC. /AR;REEL/FAME:013335/0786
20020916
.....20051202

20050825 USAS ASSIGNMENT
MIGENIX INC., CANADA
CHANGE OF NAME;ASSIGNOR:
INC.;REEL/FAME:016662

The legal status for this patent shows reassignment.

Records from the Patent Queue and Projects may be refined by filtering



- Filter by Labels, Patent Country, Publication Year, Oldest Priority Year, Assignee, Country/Kind Code, or Rating/Stars

Individual records may be selected

The screenshot shows the STN Viewer web application in a Microsoft Internet Explorer browser window. The address bar displays <http://cas.stn.org>. The page title is "STN Viewer". The navigation menu includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The main content area is titled "STN Viewer" and includes links for "Help", "Settings", and "Contact Us".

On the left side, there is a "Project List" sidebar with a "Hide" button. It contains a "Patent Queue (360)" section with an "Add Project" link and a list of projects: "New Project 1 (0)", "Shared Projects (0)", and "Trash (0)".

The main content area is titled "Patent Queue" and has a "Hide" button. It features a "Filter by:" dropdown menu set to "Labels" and a list box containing "All Records". There are also "Refresh" and "Customize Patent Queue" links.

Below the filter section, there are controls for "Select", "Apply Label", and "Actions", along with a "Sort by: Descending Project Entry Date" dropdown. The text "360 records" is displayed in the top right of this section.

The main list of records is as follows:

Selection	Rating	Record Title	Record ID	Record Type	Actions
<input checked="" type="checkbox"/>	☆☆☆	Advances in urethane foam catalysis	US 6458860 B1	USPATFULL	[Document] [Comments]
<input type="checkbox"/>	☆☆☆	Blow molding method and system	US 2002122838 A1	USPATFULL	[Document] [Comments]

A red box highlights the selection checkbox for the first record, "Advances in urethane foam catalysis". A callout box with a blue border and white background contains the text "Click box to select record." with a red arrow pointing to the checkbox.

Selected records can be labeled

The screenshot shows the STN Viewer interface in Microsoft Internet Explorer. The browser address bar displays "http://cas.stn.org - STN Viewer - Microsoft Internet Explorer". The page title is "STN Viewer™". A yellow notification bar at the top states "The selected label was applied." Below this, a green header for the "Patent Queue" includes a "Customize Patent Queue" link and a "Show" button. A sidebar on the left shows a "Project List" with "Patent Queue (360)" selected. The main content area displays a list of patent records with columns for "Select", "Apply Label", and "Actions". A dropdown menu is open under "Apply Label", showing options: "Catalysis", "Fibers", "Urethanes", and "New Label...". A red arrow points from the "Catalysis" option to the "Catalysis" label on a patent record. The patent record shown is "Blow molding method and system" (US 2002122838 A1 USPATFULL) with a "Catalysis" label. Other records include "Catalyst for production of a polyurethane resin and method for producing a polyurethane resin" (US 2003088046 A1 USPATFULL) and "Fiber glass mat".

Select **Apply Label** for a preset-label or create a New Label.

Select	Apply Label	Actions
<input checked="" type="checkbox"/>	Catalysis	...
<input type="checkbox"/>	Fibers	...
<input type="checkbox"/>	Urethanes	...
<input type="checkbox"/>	New Label...	...

Patent Queue (360 records)

Blow molding method and system
US 2002122838 A1 USPATFULL
Catalysis

Catalyst for production of a polyurethane resin and method for producing a polyurethane resin
US 2003088046 A1 USPATFULL
Catalysis

Fiber glass mat

Move desired patents from the Patent Queue to a Project

- Click on selection box to move individual patents to a Project
- Use the Select drop-down menu to move multiple records



Optionally add 1-3 star ratings to selected records.

STN Viewer projects may be shared

- Results may be shared with colleagues, attorneys and scientists
- Originator and recipient each have their own project copy:
 - Recipient can modify project contents
- The recipient has access to the patent records, highlighting, labels, and notes you assigned

Summary

- STN Viewer is a productivity tool to enable faster evaluation of patent search results.
- STN Content continues to be enhanced
- You can count on STN for your patent searching

Acknowledgements

- Dr Claus-Dieter Siems, FIZ Karlsruhe
- Rob Austin, FIZ Karlsruhe
- Brian Sweet, CAS