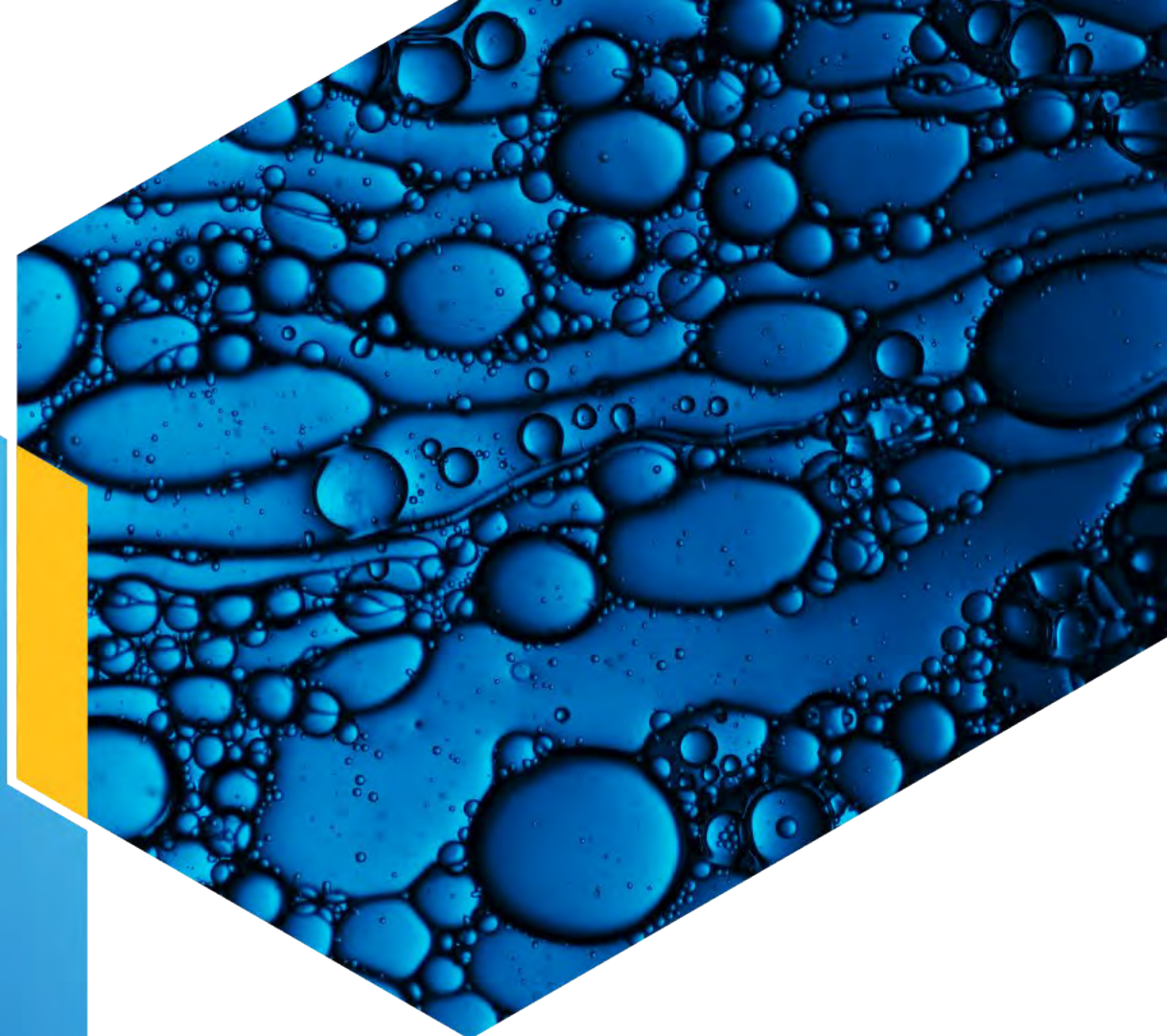




STN Coffee Lecture

Hidden Treasures of your Session History

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Helpdesk

helpdesk@fiz-karlsruhe.de

The STNext Session History

Things you might already know

STNext My Files Sebastian Brauch

Transcript ON Monitoring Avigan

File STNGUIDE

L31 ANSWER 1 OF 65 HCAPLUS COPYRIGHT 2021 ACS on STN
PatentPak PDF

AN 2021:2027471 HCAPLUS Full-text
TI Method using fostamatinib for the treatment of COVID-19-associated diseases and conditions
IN Masuda, Esteban; Markovtsov, Vadim
PA Rigel Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 82pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PPPI

PATENT NO.	KIND	DATE	LANGUAGE	PatentPak
WO 2021183790	A1	20210916	English	PDF
US 20210283152	A1	20210916	English	PDF

PI

Submit Draw Scripts

History CAS Lexicon Data

Session

Entered REGISTRY 09:03:24 ON 04 OCT 2021

L1 STRUCTURE UPLOADED Edit

L2 126 S L1 SSS FUL

L3 20 S L2 AND UPCA>=20210701

Entered MARPAT 09:03:44 ON 04 OCT 2021

L4 935 S L1 SSS FUL

L5 19 S L4 AND UP>=20210701

Entered HCAPLUS 09:03:51 ON 04 OCT 2021

L6 133 S L3 AND UPIT>=20210701

The **History** tab displays your session activity such as search activity, databases entered, and L-numbers with answers.

This you certainly know, but do you also know that from the session history it is possible to ...

The STNext Session History

Things you might not be familiar with yet

The screenshot displays the STNext interface. On the left, a patent record is shown for 'Monitoring Avigan' (STNGUIDE). The record includes fields for L31, ANSWER, HCAPLUS, COPYRIGHT, AN, TI, IN, PA, SO, DT, LA, FAN.CNT, and PPII. A table of patent numbers is provided below the text:

PATENT NO.	KIND	DATE	LANGUAGE	PatentPak
WO 2021183790	A1	20210916	English	PDF
US 20210283152	A1	20210916	English	PDF

On the right, the 'Session History' panel shows a list of sessions with callouts for various actions:

- ... Edit a structure**: Points to the 'Edit' button next to the 'L1 STRUCTURE UPLOADED' entry.
- ... create an Alert**: Points to the 'Create an Alert' button next to the 'S1.2 AND UPIT>=202107' entry.
- ... Analyze the chemical space covered by a searched structure**: Points to the 'Create Chemscape Analysis' button next to the 'S L1 SSS FUL' entry.
- ... Manage Patent Families**: Points to the 'Patent Family Manager' button next to the 'S L4 AND UPIT>=20210701' entry.
- ... quickly Analyze your result set**: Points to the 'Analyze' button next to the 'S L4 AND UPIT>=20210701' entry.
- ... L numbers are hyperlinked**: Points to the 'L6 133 S L3 AND UPIT>=20210701' entry.

At the bottom of the interface, there are buttons for 'Submit', 'Draw', and 'Scripts'.

Hyperlinked L Numbers for Quickly Navigating Through Transcripts

The screenshot displays the STNNext interface. The main window shows a transcript for 'Monitoring Avigan' with the command '=> S L2 AND UPCA>=20210701' highlighted by a yellow arrow. Below this is a table of costs for various services. On the right, a 'Session' window is open, listing several L-numbers. A yellow callout box points to L2, with the text: 'Click an L-number to bring it to the top of the session window.'

STNNext My Files Sebastian Brauch

Transcript ON Monitoring Avigan

File STNGUIDE

=> S L2 AND UPCA>=20210701

1678839 UPCA>=20210701
(UPCA>=20210701)

L3 20 L2 AND UPCA>=20210701

=> FIL MARPAT

	QUANTITY @	RATE	ESTIMATED COST
			EUROS
REGISTRY FILE COST=			
CONNECT HOURS	0.01 @	92,00	0,92
INTERNET	0.01 @	10,00	0,10
ONL FUL SSS/CSS SEARCH TERMS	1 @	225,85	225,85
ONL FUL SSS/CSS SEARCHES	1 @	208,70	208,70
SUMMARY FOR REGISTRY FILE	0.01		435,57
INCLUDING TELECOMMUNICATION FEES	0.10		21,00

Session

Entered REGISTRY 09:03:24 ON 04 OCT 2021

L1 STRUCTURE UPLOADED Edit ...

L2 126 S L1 SSS FUL

L3 20 S L2 AND UPCA>=20210701

Entered MARPAT 09:03:44 ON 04 OCT 2021

L4 935 S L1 SSS FUL

L5 19 S L4 AND UP>=20210701

Entered HCAPLUS 09:03:51 ON 04 OCT 2021

L6 133 S L3 AND UPIT>=20210701

Submit Draw Scripts

Enhanced Analysis of Search Results

Using the Alert Wizard for creating a bar graph or data occurrence matrix

The screenshot shows the STNext interface with the following content:

- Header:** STNext logo, My Files, Sebastian Brauch.
- Page Title:** Transcript ON Competitor Analysis A61K0008
- Main Content:**
 - File WPINDEX
 - => S A61K0008/IPC
 - L1 231200 A61K0008/IPC
 - => S L1 AND DE/PC
 - 3615138 DE/PC
 - L2 26054 L1 AND DE/PC
 - => S L2 and AY>=2010
 - 30753692 AY>=2010 (AY>=2010)
 - L3 4194 L2 AND AY>=2010
 - =>
- Session History Panel:**
 - Entered STNGUIDE 15:11:07 ON 04 OCT 2021
 - Entered WPINDEX 15:38:39 ON 04 OCT 2021
 - L1 231200 S A61K0008/IPC [Analyze Wizard icon] ...
 - L2 26054 S L1 AND DE/PC [Analyze Wizard icon] ...
 - L3 4194 S L2 AND AY>=2010 [Analyze Wizard icon] ...
- Footer:** ^ => enter command, Submit, Draw, Scripts.

The **Analyze Wizard** on STNext can be used to quickly create a bar graph or data occurrence matrix for a particular L-number.

Enhanced Analysis of Search Results

Using the Alert Wizard for creating a bar graph or data occurrence matrix

STNext My Files Sebastian Brauch

Transcript ON Competitor Analysis A61K0008

File WPINDEX

=> S A61K0008/IPC

L1 231200 A61K0008/IPC

=> S L1 AND DE/PC

L2

=> S L2

L3 4194 LZ AND AY>=2010

^ => enter command

CAS Lexicon Databases

15:11:07 ON 04 OCT 2021

15:38:39 ON 04 OCT 2021

A61K0008/IPC

AND DE/PC

AND AY>=2010

{ } Scripts

Analyze X

4,194 answers available

1-4194

Select up to 2 fields to analyze

Author / Inventor

Corporate Source / Patent Assignee

Publication Year

Controlled Terms

Patent Country

^ Cooperative Patent Classification

^ International Patent Classification

∨ Custom Analyze

PACO

AY

Analyze Cancel

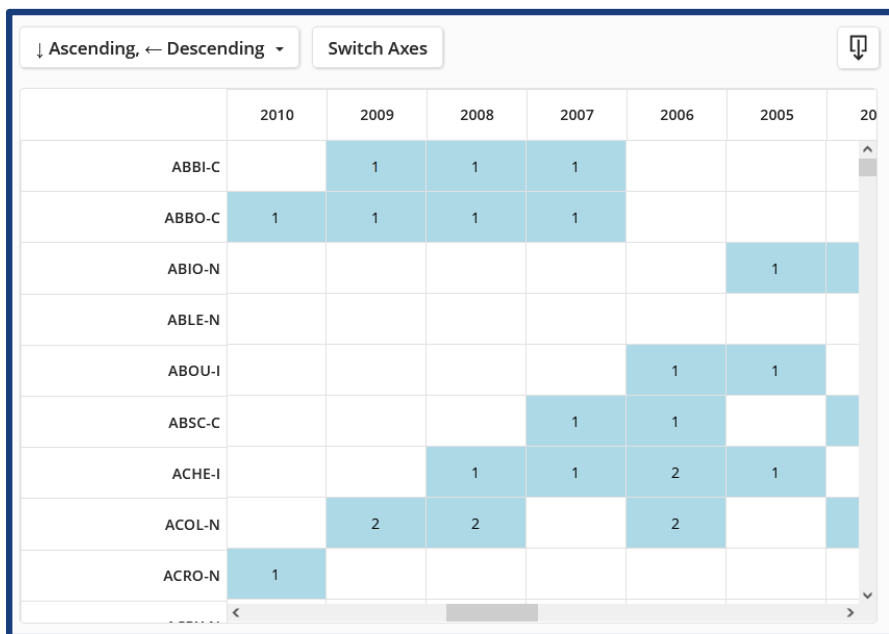
In the Analyze window:

- The number of answers for your analysis is prepopulated (up to a limit of 50,000); adjust the number if necessary.
- Select up to two fields from the answer set.
- Click the Analyze button.

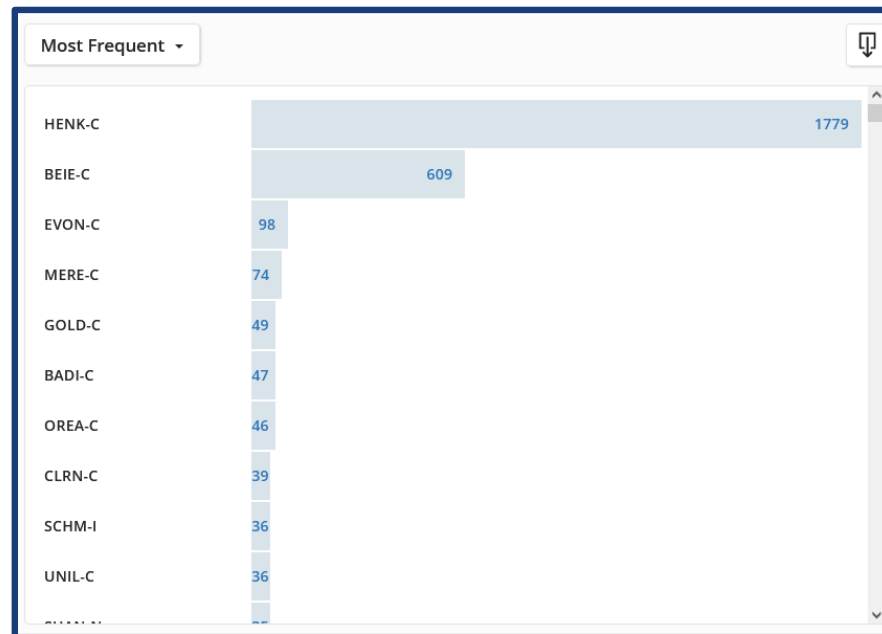
The **Analyze Wizard** on STNext can be used to quickly create a bar graph or data occurrence matrix for a particular L-number.

Enhanced Analysis of Search Results

Using the Alert Wizard for creating a bar graph or data occurrence matrix



If you selected **two fields**, a matrix displays showing the field data as axes. You may change the display order, switch the field axes, and display the associated references by clicking on the interactive cell.



If you select **one field**, a bar graph displays the field data along with the number of occurrences for the specified answer set.

History | CAS Lexicon | Databases

Session

Entered WPINDEX 14:10:12 ON 04 OCT 2021

L1 231200 S A61K0008/IPC

L2 26054 S L1 AND DE/PC

L3 4194 S L2 AND AY>=2010

Entered WPINDEX 15:45:03 ON 04 OCT 2021

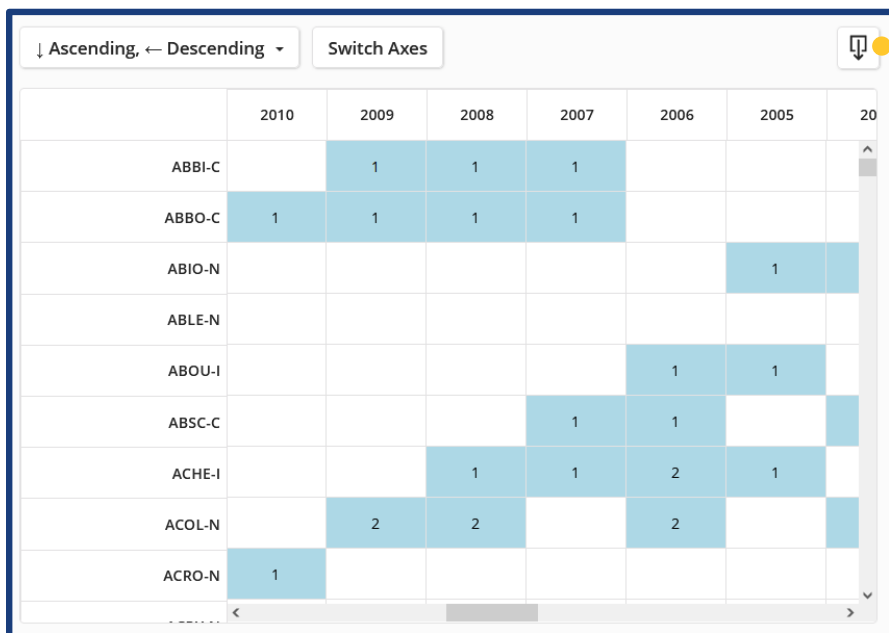
L4 ANALYZE L3 1-4194 PACO AY : 2442 TERMS

View

To reopen the matrix/graph from the History tab, click the View button for the L-number.

Enhanced Analysis of Search Results

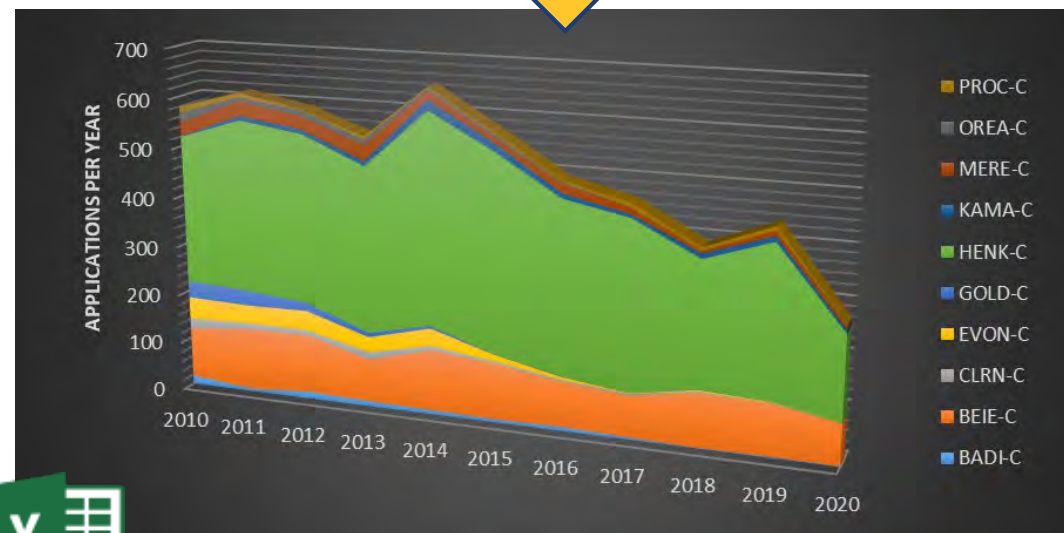
Export results from the alert wizard to Excel to gain further insights



The screenshot shows a table with columns for years from 2010 to 2020 and rows for various categories. A yellow callout box points to a download icon in the top right corner of the table interface.

	2010	2009	2008	2007	2006	2005	20
ABBI-C		1	1	1			
ABBO-C	1	1	1	1			
ABIO-N						1	
ABLE-N							
ABOU-I					1	1	
ABSC-C				1	1		
ACHE-I			1	1	2	1	
ACOL-N		2	2		2		
ACRO-N	1						

The data can be downloaded in .csv format and exported to Excel to create, e.g., an interactive Pivot table/chart for further processing.



Creating Alerts in STNext

Setting up automatic alerts using the STNext Alert Wizard

Entered HOME 15:16:59 ON 18 MAY 2021

Entered HCAPLUS 15:22:20 ON 18 MAY 2021

L1 107185 S NANO?(W)FIBER? OR NANOFIBER? OR NANOFIBRIL?

L2 132131 S TISSUE(2A) (ENGINEER? OR SCAFFOLD? OR MANUFACT? OR PROD?) OR B

L3 4711 S (L1 (S) L2)

Create an Alert

Patent Family Manager

More information can be found here:
<https://www.stn-international.com/en/training-center/recorded-e-seminars/stay-date-alerts-stnext>

All settings in one window

Alert Settings

Title *
Tissue Engineering CPlus

Name ①
tissue /5

Method of delivery ① Expires
EMAIL MM/DD/YYYY

Delivery to * (separate with comma)
sebastian.brauch@fiz-karlsruhe.de

Eliminate previously seen answers ON Highlight hit terms ON

Send alert with answers

Cost cent NONE

Database settings

Database	Print format	Frequency
HCAPLUS	BIB ABS IND	Weekly

UP Advanced

Save Cancel

If set to **ON**, historical duplicates in a single database are removed from your answer set. Identification of such historical duplicates is based on **Accession Numbers (AN)** within a database. For this purpose, answers are saved for one year on STNext.

Tip: If no specific update code is available, use UP/UPM and enable the identification of historical duplicates instead of using Entry Date (ED) in dynamic-update databases, e.g., HCAplus (except for SMARTracker alerts or legal status alerts, etc.).

Patent Family Manager

Increase Efficiency in Patent Searches with the Patent Family Manager

The History panel shows a list of sessions with their respective actions and timestamps. A dropdown menu is open over the 'Patent Family Manager' link.

Session	Action	Timestamp
Entered MARPAT		08:12:20 ON 05 OCT 2021
L1 STRUCTURE UPLOADED	Edit ...	
L2 9 S L1 SSS FUL	...	
Entered REGISTRY		08:17:08 ON 05 OCT 2021
L3 143 S L1 SSS FUL	...	
Entered HCAPLUS		08:17:43 ON 05 OCT 2021
L4 72 S L3 AND P/DT	...	
L5 74 S L4 OR L2	...	

Create an Alert
Patent Family Manager

The Patent Family Manager dialog box contains three radio button options and two buttons at the bottom.

Patent Family Manager

- Extract the first member basics from each patent family (limit 5000 answers)
- Include Non-patent Answers
- Remove twin multiple basics from patent families in CA/CAplus (limit 5000 answers with Chemical Indexing Equivalent tag)
- Custom Display Format (limit 5000 answers)

Cancel Submit

The Patent Family Manager might be used to ...

- efficiently **extract one representative of each family/invention** into a new answer set
- easily and quickly **remove double basics** from a CA/CAplus answer sets
- **customize the display format** for efficient reviewing of larger patent family data sets

Patent Family Manager

Extract the first member from each patent family and create a new L-number

```
L10 121 DUP IDE L5 L9 (INCLUDES 31 SETS OF
DUPLICATES)
ANSWERS '1-74' FROM FILE HCAPLUS
ANSWERS '75-121' FROM FILE WPINDEX
```

Extract first member from each family...

=> FSORT L10

```
L11 121 FS0 L10
```

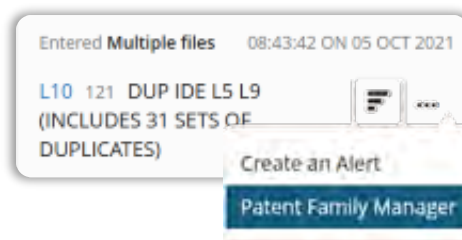
```
35 Multi-record Families Answers 1-85
Family 1 Answers 1-2
Family 2 Answers 3-4
Family 3 Answers 5-6
...
```

=> SORT L11 PY 1 3 5 ...

...

```
L15 71 DUP IDE L12-L14 (INCLUDES 0 SETS OF
DUPLICATES)
ANSWERS '1-67' FROM FILE HCAPLUS
ANSWERS '68-71' FROM FILE WPINDEX
```

L15 contains the first member of each patent family in L10



The Patent Family Manager will initially sort the results, e.g., from a multi-file search into extended patent families running an FSORT. Then, the first record from each extended patent family is extracted and combined in a new L-number. Please note that there is a limit of 5,000 answers to be processed. Non patent literature can be included.

Patent Family Manager

- Extract the first member basics from each patent family (limit 5000 answers)
- Include Non-patent Answers
- Remove twin multiple basics from patent families in CA/CAplus (limit 5000 answers with Chemical Indexing Equivalent tag)
- Custom Display Format (limit 5000 answers)

Cancel Submit

Patent Family Manager

Remove twin multiple basics from CA/CPlus answer sets

Entered HCAPLUS 08:17:43 ON 05 OCT 2021

L4 72 S L3 AND P/DT

L5 74 S L4 OR L2

(74 records, incl. double basics)

Create an Alert

Patent Family Manager

Patent Family Manager

Extract the first member basics from each patent family (limit 5000 answers)

Remove twin multiple basics from patent families in CA/CPlus (limit 5000 answers with Chemical Indexing Equivalent tag)

Keep National Office Equivalents Keep PCT (WO) Equivalents

Keep Oldest Application Date Keep Oldest Publication Date

Custom Display Format (limit 5000 answers)

Cancel Submit

Entered HCAPLUS 09:54:20 ON 05 OCT 2021

L16 6 S L5 AND EQUIVALENT/SO

L17 6 SORT L16 1- PC.B A PY A

L18 6 FSO L17

L19 6 SORT L18 1-6 ED D

L20 6 S L19

L21 68 S L5 NOT L19

L22 3 SORT L18 1 3 5 PY

L23 3 S L22

L24 71 S L22 OR L21

(71 records, w/o double basics)

Twin multiple basics are basic patents for the same invention for which the CAS Registry Number indexing is exactly the same.

In the Patent Family Manager you have the option to select one of the following CPlus records which have an identical Registry number indexing that will be retained in the answer set:

National publication
WO publication
Oldest application date
Oldest publication date

Patent Family Manager

Create a customized display of patent family results

The image shows a software interface with a notification and a configuration window. The notification on the left reads: "Entered Multiple files 08:43:42 ON 05 OCT 2021", "L10 121 DUP IDE L5 L9 (INCLUDES 31 SETS OF DUPLICATES)", and "Create an Alert Patent Family Manager". The "Patent Family Manager" window on the right has a title bar with a close button. It contains three radio button options: "Extract the first member basics from each patent family (limit 5000 answers)", "Remove twin multiple basics from patent families in CA/CAPLUS (limit 5000 answers with Chemical Indexing Equivalent tag)", and "Custom Display Format (limit 5000 answers)". The "Custom Display Format" option is selected. Below the options are two text input fields: "First Member of Each Family" with the value "BIB AB IND" and "Additional Member of Each Family" with the value "AN TI". A light blue message box states "STNext is unable to provide cost estimates for this action." with a checked checkbox for "Continue without an estimate". At the bottom are "Cancel" and "Submit" buttons.

The Patent Family Manager offers the option to create custom display formats from patent family results. The user might select different display formats for the first family record and all subsequent family records of the extended patent family. The Initial data can be a single-file answer set (e.g. DWPI, CAPLUS) or a multi-file answer set.

Patent Family Manager

Create a customized display of patent family results

=> FSORT L10

```
L25          121 FS0 L10
              35 Multi-record Families   Answers 1-85
                Family 1                 Answers 1-2
                Family 2                 Answers 3-4
                ...
              36 Individual Records     Answers 86-121
```

Again, the Patent Family Manager starts with a FSORT sorting the records into extended patent families. Then for each family the first record is displayed automatically in the defined format as well as all subsequent family members in the different format.

=> DIS L25 PFAM=1 1 BIB AB IND

```
L25 ANSWER 1 OF 121 HCAPLUS COPYRIGHT 2021 ACS on STN FAMILY 1
AN 2021:1920520 HCAPLUS Full-text
TI detecting tyrosine receptor kinase gene fusion using RNA in situ
hybridization for diagnosis of cancer to treat
AB A method of detecting a neurotrophic tyrosine receptor kinase (NTRK)
fusion gene, comprising obtaining a sample and detecting a NTRK fusion ...
```

=> DIS L25 PFAM=1 2-TOT AN TI

```
L25 ANSWER 2 OF 121 WPINDEX COPYRIGHT 2021 CLARIVATE ANALYTICS on STN FAMILY 1
AN 2021-A18714 [2021078] WPINDEX
TI Detecting neurotrophic tyrosine receptor kinase (NTRK) fusion gene useful
for determining or treating cancer e.g. breast cancer in subject, by ...
```

Creating a Chemscape Analysis

How to create Chemscape analyses

The screenshot shows the STNNext interface with a chemical structure of Aldicarb. A modal window titled "Create Chemscape Analysis" is open, showing "423 answers available" and a range of "1 - 423". The background shows search results for "2021_Aldicarb analysis" with a status of "L1 STRUCTURE UPLOADED" and "L2 423 S L1 SSS FUL".

Create Chemscape Analysis
423 answers available

Answers
1 - 423

Analysis will be limited to the first 1,000 answers selected

Analyze Cancel

Chemscape allows you to visually explore structure search results from patents, e.g.,

- to get a quick overview on similar substances, patented by other assignees; or
- to find similar substances in different/similar applications

Creating a Chemscape Analysis

Analyse the chemical space covered more efficiently

The screenshot displays the STNNext Chemscape interface. At the top left is the STNNext logo and a 'Return to Session' link. The main area shows a 3D visualization of substance results as colored bars of varying heights and positions. A callout box explains that clicking on a substance bar retrieves associated patents. A detailed view for 'Aldicarb' (116-06-3) is shown, featuring its chemical structure and a 'Patent Count' of 734. The interface also includes a 'My Files' button, a user profile for 'Sebastian Brauch', and a 'Powered by patsnap' logo at the bottom left.

You can view the structures by clicking on a substance bar. From here all associated patents can easily be retrieved from any STN patent database.

Chemscape visualizes the similarity and patent landscape for a set of substance results:

- Location of a substance bar corresponds to the similarity of the query structure
- Height of substance bar corresponds to the number of patents in which the substance has been indexed

Aldicarb
116-06-3

CN(C)C(=O)O/C=C/C(C)(C)S

Patent Count
734

Trade Name
-

Save Screenshot

Creating a Chemscape Analysis

Use Case – Analyse by applicant

The screenshot displays the STNNext Chemscape interface. At the top left is the STNNext logo. At the top right, there are links for 'My Files' and the user name 'Sebastian Brauch'. Below the header, a 'Return to Session' link is visible. A yellow callout box highlights the text 'Chemscape offers different types of graphical analyses' and lists several analysis types with icons: a network graph, a money bag, a person, CPC, IPC, a clock, and a globe. The main area shows a 3D visualization of a molecular structure with various colored atoms and bonds. A legend in the bottom left corner lists the following data:

BASF	32
BAYER	32
SYNGENTA	7
DOW	2
Other structures	212

Below the legend, it says 'Powered by patSnap'. At the bottom of the interface, there are buttons for 'Select Structure', 'Save', and 'ScreenShot', along with navigation controls.

Key takeaways

- The session history offers more than just displaying your session activity including answer count
- Various wizards simplify common workflows
 - Creating alerts
 - Manage patent families
 - Analyze search results
- Chemscape offers new options for analyzing structure search results to gain new insights

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