



Software for  
Business Intelligence

**BizInt Smart Charts**

Patents & IP Sequences | Clinical Trials | Drug Pipelines

# New STN and BizInt Smart Charts

PIUG Annual Meeting 2016, Vancouver, WA

*John Willmore, Vice-President*

22 May 2016

[www.bizint.com](http://www.bizint.com)

# Agenda

- Creating reports from new STN
- Integrating search results & “De-duplication”
- Showing changes in Updates
- Display formats and hyperlinks
- How new STN XML is presented in BizInt Smart Charts
- Integrating new STN with IP sequences and others







Software for  
Business Intelligence

## **BizInt Smart Charts**

Free 30-day trial  
available at  
[www.bizint.com](http://www.bizint.com)

More details on  
New STN Platform  
[bizint.com/newstn](http://bizint.com/newstn)

# What is BizInt Smart Charts for Patents?

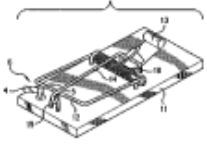

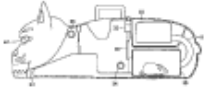

## **BizInt Smart Charts**

*for Patents*

- First released in 1998.
- **Windows software** installed on your PC [like STN Express]
- Create, customize and distribute tabular reports.
- Integrating data from multiple searches, databases and hosts.

# Quickly create tabular reports...

Derwent World Patents Index: A Better Mousetrap (2005-2006)

	Title	Patent Family			Patent Assignee	Image	Abstract
		Patent	Kind	Date			
1	Animal e.g. mouse, trap for use in e.g. house, has safety arm attached to top portion of screw attachment and maneuvered over bow, where safety arm is rotated by user with use of lever.	US 2006064922 WO 2006036767	A1 A2	20060330 20060406	CRIDER J B CRISPENS J R		US2006064922 A UPAB: 20060410 NOVELTY: The trap has a lever (4) located above a collar and attached to a top portion of a screw attachment. A safety arm (5) is attached to the top portion of the screw attachment and is maneuvered over a bow (12). The safety arm is rotated by a user with the use of the lever. [CONT.]
2	Mouse trap used at home has enclosure which is provided with top and base having aperture and indentation that can be aligned to open enclosure for entry of mouse, such that contra-rotation of top relative to base is enabled to trap mouse.	WO 2005051079 EP 1691603	A1 A1	20050609 20060823	RECKITT BENCKISER AUSTRALIPTY LTD RECKITT BENCKISER UK LTD		WO2005051079 A UPAB: 20050624 NOVELTY: The mouse trap has an enclosure having a top (1) and a base (3) respectively provided with an aperture (5) and an indentation (7). The manual rotation of the top relative to the base is enabled to open the enclosure with the alignment of the aperture and the indentation. [CONT.]
3	Portable electrical trap for capturing and killing a mouse, has vacuum source which sucks the mouse fully into a collection chamber within which the mouse is subsequently suffocated.	US 6865843	B1	20050315	JORDAN C		US 6865843 B UPAB: 20050406 NOVELTY: Primary and secondary motion sensors (28,34) detect the presence of a mouse inside the interior cavity of the mouse trap (10). A primary gate and a secondary gate (36) in turn automatically opens upon activation of the corresponding motion sensor. A vacuum source (40) sucks the mouse fully into a collection chamber (38) within which the mouse is subsequently suffocated. [CONT.]
4	Mouse trap system has central display unit for receiving signals from traps to identify particular trap transmitting signal and its corresponding position of moving portion for displaying trap current state.	US 2002184811 WO 2002100170 AU 2002315045 US 6775946 AU 2002315045	A1 A2 A1 B2 A8	20021212 20021219 20021223 20040817 20051020	CHAMBERLAIN GROUP INC		US2002184811 A UPAB: 20030320 NOVELTY: Each of the mouse traps (1-n) has a transmitter for periodically transmitting radio frequency (RF) signal for identifying the position of the moving portion e.g. metal jaw. A central display unit receives RF signals from the traps to identify the trap transmitting the signal and its corresponding position of the moving portion for displaying the trap current state using light emitting diodes (LEDs) (113,115). USE: Mouse trap system. [CONT.]

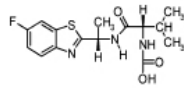
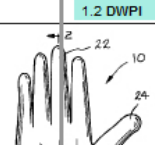
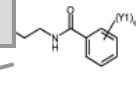
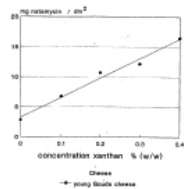
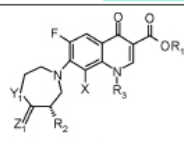


# How is this different from Table Tool or Excel?

- Customize after creation
- Images in cells
- Rows sort properly
- Integrate data from different platforms into a single report
- Update reports with new and changed data
- Deliver final reports in HTML, Word, Excel, PDF



# Natamycin - CA search results integrated with DWPI & Fulltext Patents (New STN)

Title	Database	Patent Assignee (Company)	CA Classifications	Priority Date	Claims	Graphic Information
1. Composition useful for protecting a product such as food product and pharmaceutical product against fungi e.g. <i>Blumeria graminis</i> comprises polyene antifungal compound and antifungal compound from family of carboxylic acid amide fungicides	1.1 CABS 1.2 DWPI 1.3 EPFU	DSM	Agrochemical Bioregulators	2012-05-01	EP 2659776A1 1. A composition comprising a polyene antifungal compound and at least one antifungal compound from the family of carboxylic acid amide fungicides.	
2. Gelatinous elastomer	2.1 CABS 2.2 DWPI	Silinos	Pharmaceuticals & Pharmacology	2008-09-10	1. A gelatinous elastomer composition comprising from about 1.0% to about 50.0% by weight of a block copolymer, from about 1% to 99% by weight of a mid-block solubilizing oil and from about 1% to 99% by weight of a triglyceride oil, wherein the ratio of the triglyceride oil to the mid-block solubilizing oil is between	
3. Treating and/or preventing sudden death syndrome in e.g. soy bean comprises applying polyene fungicide to plant seed, to soil in which plant is growing, to soil in which a plant or seed is to be planted, and/or plant roots	3.1 CABS 3.2 DWPI 3.3 USFU	Bayer				
4. Antifungal composition comprises polyene antifungal compound(s) - and thickening agent(s), excluding hydroxy-propyl-methylcellulose, used to prevent fungus on natural products, e.g. cheese and sausage	4.1 CABS 4.2 DWPI 4.3 EPFU	DSM	Food And Feed Chemistry	1997-03-18	EP 867124B1 1. An antifungal composition, which is an aqueous composition, comprising one or more polyene antifungal compounds, one or more thickening agents and a salt selected from the group consisting of sodium chloride or potassium chloride in an amount of 20-250 g/l wherein the one or more thickening agents are xanthan gum	
5. Composition for treating infection e.g. infective ear, and respiratory comprises fluoroquinolone compounds and additional anti-infective agent	5.1 CABS 5.2 DWPI				3144347A1 Composition for treating, reducing, ameliorating, or curing an infection in a subject, the composition comprising: (a) a fluoroquinolone having Formula I or II, wherein the fluoroquinolone and the additional anti-infective agent are present in amounts effective to treat, reduce, ameliorate, or prevent said infection,	

CA, DWPI & Fulltext records for each family

Integrate CA data with claims from other dbs

Include images from DWPI & fulltext

# Agenda

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- How new STN XML is presented in BizInt Smart Charts
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# Supported Databases (version 4.2)

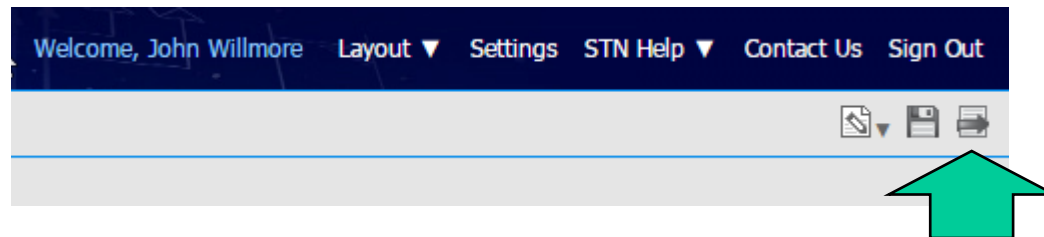
- CAplus, DWPI, ENCOMPPAT
- All fulltext patent files  
(US EP PCT AU CA CN DE FR GB IN JP KR)
- All literature files  
(MEDLINE EMBASE BIOSIS CABA COMPENDEX  
ENCOMPLIT FSTA INSPEC TULSA)

# Databases NOT Supported (version 4.2)

- REGISTRY, DCR
- DWPIM, MARPAT
- REAXSYSbib, REAXSYSsub

# Using BizInt Smart Charts with new STN

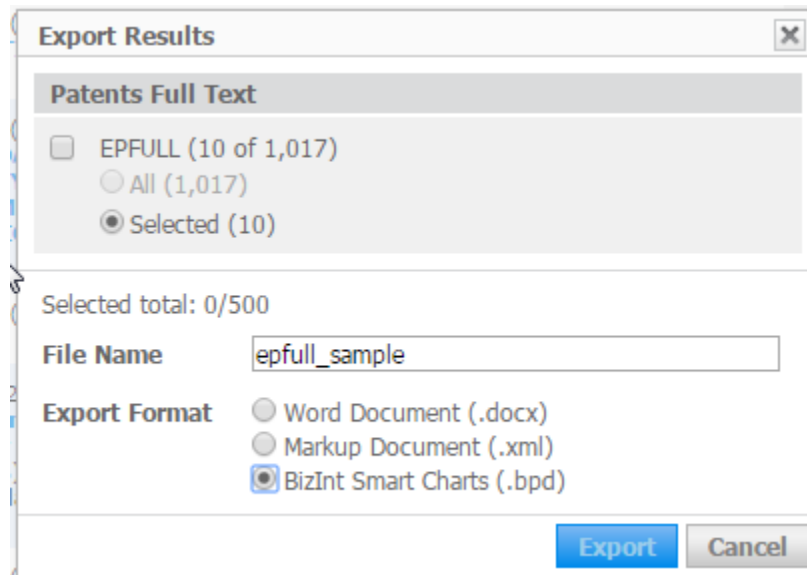
- Step by step instructions on our website [www.bizint.com/newSTN](http://www.bizint.com/newSTN)
- Select records to export
- Press Export button



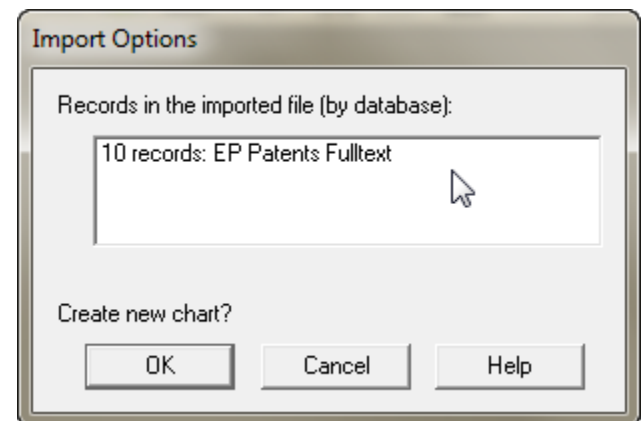
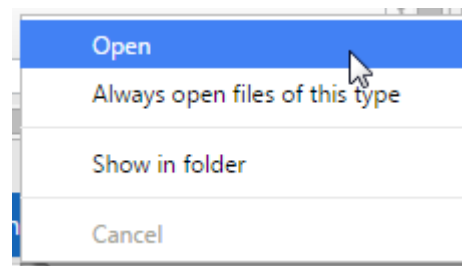
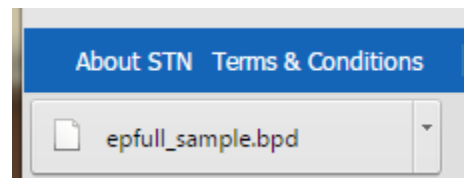
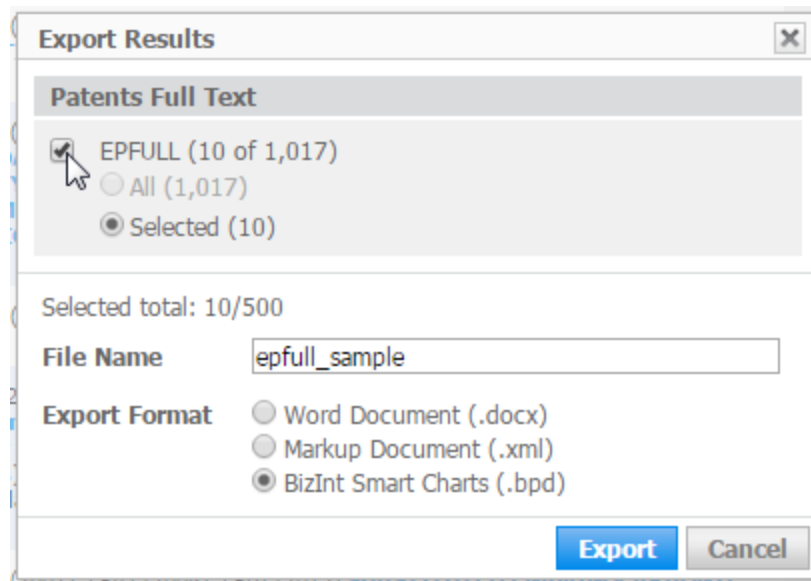


# Using BizInt Smart Charts with new STN

- TIP: you must select at least one database



# Using BizInt Smart Charts with new STN



# Results in BizInt Smart Charts

EP Patents Fulltext: efull\_sample

Title	Patent Family			Priority Date	Patent Assignee	IPC	Claims
	Patent	Kind	Date				
Substituted [1,2,4]triazole and imidazole fungicidal compounds	EP 2924027	A1	20150930	2014-03-28	BASF SE, , 67056 Ludwigshafen, Germany (DE) (EPO-Number: 101005518)	A01N0043/653 C07D0249/08	EP 2924027A1 1. Compounds of the formula I wherein
2,5-DISUBSTITUTED ARYL SULFONAMIDE CCR3 ANTAGONISTS	WO 2010123956 EP 2421829 EP 2421829	A2 A2 B1	20101028 20120229 20150930	2009-04-22	Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)	A61K0031/445 A61P0011/06 A61P0025/28 C07C0311/29 C07D0211/96 C07D0241/04 C07D0243/08 C07D0295/26 C07D0403/04 C07D0487/04	EP 2421829B1 1. A compound of Formula II: or an enantiomer, a mixture of enantiomers, a mixture of two or more diastereomers, a tautomer, or a mixture of two or more tautomers thereof, or a pharmaceutically acceptable salt, solvate, or hydrate thereof,
SWEAT-ABSORBING SHOE SOLE INSERTS HAVING IMPROVED SWEAT ABSORPTION	WO 2010003789 EP 2323513 EP 2323513	A1 A1 B1	20100114 20110525 20150930	2008-07-09	Evonik Degussa GmbH, Rellinghauser Straße 1-11, 45128 Essen, Germany (DE) (EPO-Number: 101049895)	A43B0001/00 A43B0017/10	EP 2323513B1 1. Shoe insole containing particulate amorphous silica as adsorbent,
USE OF AZOLES FOR INCREASING THE ABIOTIC STRESS RESISTANCE OF PLANTS OR PLANT PARTS	WO 2010015337 EP 2317853 EP 2317853	A2 A2 B1	20100211 20110511 20150930	2008-08-02	Bayer Intellectual Property GmbH, Alfred-Nobel-Strasse 10, 40789 Monheim am Rhein, Germany (DE) (EPO-Number: 101421679)	A01N0037/42 A01N0043/653 A01N0049/00 A01P0021/00	EP 2317853B1 1. Use of at least one compound selected from the group consisting of tebuconazole, metconazole and prothioconazole for enhancing the resistance of plants to abiotic stress factors, in combination with abscisic acid.
2-ALKYNYL-6-PYRIDIN-2-YL-PYRIDAZINONES, 2-ALKYNYL-6-PYRIDIN-2-YL-DIHYDROPYRIDAZINONES, 2-ALKYNYL-6-PYRIDIN-2-YL-PYR	WO 2009126672 EP 2260030 EP 2260030	A2 A2 B1	20091015 20101215 20150930	2008-04-08	Dow AgroSciences LLC, 9330 Zionsville Road, Indianapolis IN 46268-1054, United States	A01N0043/58 C07D0401/04 C07D0403/04	EP 2260030B1 1. A compound of the formula wherein



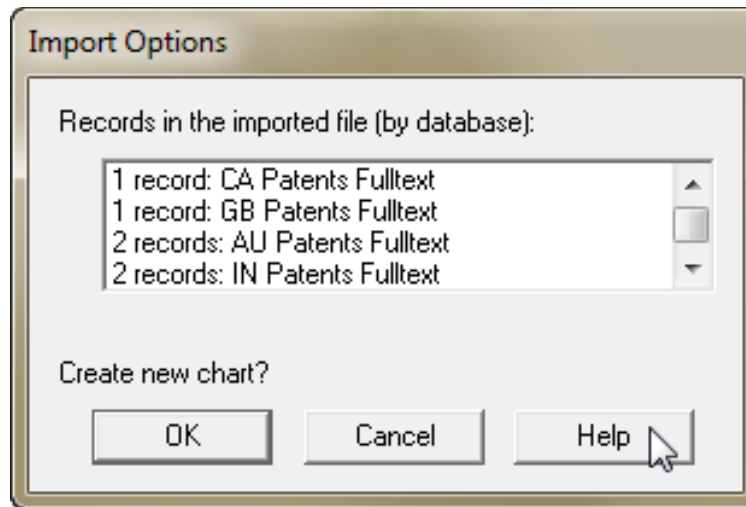
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# Multi-file search results

- Transcripts containing results from multiple files can be imported as a single chart



# Multi-file search results

natamycin selected fulltext								
	Title	Database	Patent Assignee	Patent Family			Priority Date	IPC
				Patent	Kind	Date		
3	MILK SAMPLE PRESERVATIVE	CA Patents Fulltext	RUTTAN, GARRY R.S., N0B2G0 R.R. 1, NEW HAMBURG,, Canada (CA)	CA 2008891 CA 2008891	A1 C	19910730 19951128	1990-01-30	
4	Delivery device and method	GB Patents Fulltext	OPTINOSE AS, Norway (NO)	GB 2007002849 GB 2007002849 GB 2434989 GB 2434989	D0 D0 A B	20070328 20070328 20070815 20100915	2006-02-14	A61M0015/08
5	NOVEL TOPICAL NATAMYCIN FORMULATION FOR OCULAR ANTIFUNGAL THERAPYY	IN Patents Fulltext	ALL INDIA INSTITUTE OF MEDICAL SCIENCES, Dr. Rajendar Prasad Centre for Ophthalmic Sciences (R.P.C) Ansari Nagar New Delhi-110029 India	IN 2011DE01950	A	20130118	2011-07-12	A61K
6	NATAMYCIN RECOVERY	IN Patents Fulltext	GIST-BROCADES B.V., WATERINGSEWEG 1, PO-BOX 1, 2600 MA DELFT, THE NETHERLANDS. Netherlands	IN 1995DE01864	A	20090731	1995-10-11	C12P0019/00 C12P0019/62
7	Targeting delivery of anti-fungal agents	US Patents Fulltext 	EDH Biotech Corp 	US9089134	B2	20150728		A01N0043/24 A01N0063/02 A61K0031/7048 A61K0047/24 C07F0009/10 C07F0009/6521
8	TREATMENT OF SKIN DISEASE	US Patents Fulltext	Solution LLC					

1. Source of each row indicated
2. Similar information aligned in columns



# Tools for integrating patent data

- **Combine charts** using **File|Combine** command
- **Identify related records** using the **“Identify Common Patent Family”** tool – based on publication numbers in your report.

**BizInt Smart Charts**

*for Patents*

# Combining Reports

- **File | Combine** brings results from different reports into a single chart file
- In a single database, this can be used to combine display sets or different search strategies into one file
- Only one copy of each record – same database, same accession number – transferred to the new chart

## Combining Reports (2)

- Results from different databases can be combined in the same way
- As for a multi-file transcript, common fields are mapped into the same column
- The same concept (e.g. patent family) in different sources is NOT considered a duplicate.



# Use Case: 500 record export limit

- New STN has a 500 record export limit
- Export in tranches
  - By database
  - By page of results
  - By a search criteria (date, kind, etc)
- Use **File | Combine** to build a single report

# Common Patent Family

- Identifies rows describing the same content
- Matches publication numbers between rows building a transitive network
- Similar to family sort, based on data in table
- Will group US applications and grants in USFULLTEXT as long as there is a family listing both publications (e.g. CAplus, DWPI, EPFULL)
- No equivalent concept yet for literature

# Identify Common Patent Family

natamycin				Tools Options Window Help									
				Database	Patent Family			Inventor(s)	Patent Assignee				
					Patent	Kind	Date						
13	Produce symptoms reflux vegeta stoma calma synthe agent, sweetener and food preservative				AU2007101185	A4	20080501		AXCESS OSS P L				
14	A natural product to relieve the symptoms of GERD	AU2007101185	Chemical Abstracts		AU2007101185	A4	20080501	Smith, Sherryl	Axxess Oss P/L, Australia (AU)				
15	A natural product to relieve the symptoms of GERD	AU2007101185	AU Patents Fulltext		AU 2007101185	A4	20080501	Smith, Sherryl	AXCESS OSS P/L				
16	Pesticidal composition, useful e.g. to prevent/combat pests, comprises a indole compound and plant metabolite, where the plant metabolite is metabolically related to indole compound	AU2007209313	Derwent World Patents Index		WO2007085660	A1	20070802	BEDNAREK P SCHNEIDER B SCHULZE-LEFERT P SVATOS A	MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN				
					EP1978805	A1	20081015						
					AU2007209313	A1	20080821						
					US20090028796	A1	20090129						
17	Extraction of 3-methylaminoindole as fungicide	AU2007209313	Chemical Abstracts		AU2007209313	A1	20070802	Bednarek, Pawel Schneider, Bernd Svatos, Ales Schulze-Lefert, Paul	Max-Planck-Gesells schaft zur Foerderung der Wissenschaften e.V., Germany (DE)				
					CA2640502	A1	20070802						
					WO2007085660	A1	20070802						
					EP1978805	A1	20081015						
					US20090028796	A1	20090129						

# More tools for integrating patent data

- Combine charts using File | Combine command
- Identify related records using the “Identify Common Patent Family” tool.
- Use **BizInt Smart Charts Reference Rows** to summarize related records in a single row.

**BizInt Smart Charts**

*for Patents*

**BizInt Smart Charts**

*Reference Rows™*



# Reference Rows: db rankings & rules

The image shows two overlapping software dialog boxes. The background dialog is titled 'Database Ranking' and contains a list of databases to be ranked. The foreground dialog is titled 'Column Rule - Patent Family' and shows a dropdown menu for selecting a match column.

**Database Ranking**

Data in cells will be chosen according to the Database Ranking if no other rule is present or if there is a tie in the rules.

Rank the databases in your preferred order

- Chemical Abstracts
- Derwent World Patents Index
- AU Patents Fulltext
- CA Patents Fulltext
- GB Patents Fulltext
- IN Patents Fulltext
- JP Patents Fulltext
- US Patents Fulltext

**Column Rule - Patent Family**

Choose how Reference Rows will select data for this column.

Selection Rule: Use database ranking

Match column:

- Use database ranking
- Earliest Date
- Latest Date
- Most Content (characters)
- Least Content (characters)
- Most Content (lines)**
- Highest Development Phase
- Most Recently Updated
- Match Column
- Highest Number
- Lowest Number
- Closest to Zero
- Summarize All Values
- Summarize Unique Values


Database Ranking for

- Chemical Abstracts
- Derwent World Patent
- AU Patents Fulltext
- CA Patents Fulltext
- GB Patents Fulltext
- IN Patents Fulltext
- JP Patents Fulltext

OK Cancel

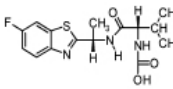
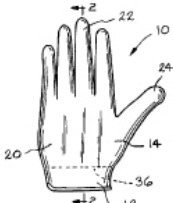
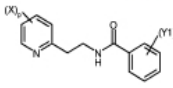
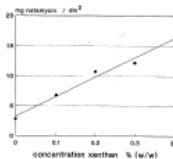
# Reference Rows: Selection View

Unique fields are easily integrated in BizInt Smart Charts Reference Rows

	Title	Database	CA Classification	Patent Family			Claims	Graphic Information
				Patent	Kind	Date		
171 .1	Optical disks with biodegradable materials and additive microcapsules ✓	Chemical Abstracts	Plastics Fabrication And Uses (38) ✓	TWI344646 JP2008065970 US20080063828	B A A1	20110701 20080321 20080313		
171 .2	Optical disc, e.g. dummy disc complied with High Density DVD, comprises substrate formed of biodegradable material mixed with microcapsules comprising additive and/or mixed with additive	Derwent World Patents Index		US20080063828 JP2008065970 TW2008014037 TWI344646	A1 A A B	20080313 ✓ 20080321 20080316 20110701	US20080063828A1 What is claimed is: 1. An optical disc, comprising: a substrate, formed of a biodegradable material mixed with a plurality of microcapsules comprising an additive and/or mixing with an additive; a reflective layer, formed over the substrate; a recording layer, formed over the reflective layer; and a cover layer, formed over the recording layer.	 ✓
171 .3	OPTICAL DISC	US Patents Fulltext		US20080063828	A1	20080313	1. An optical disc, comprising: a substrate, formed of a biodegradable material mixed with a plurality of microcapsules comprising an additive and/or mixing with an additive; a reflective layer, formed over the substrate; a recording layer, formed over the reflective layer; and a cover layer, formed over the recording layer.	

# Reference Rows: HTML exports

As seen in the fully integrated view

Natamycin - CA search results integrated with DWPI & Fulltext Patents (New STN)							
	Title	Database	Patent Assignee (Company)	CA Classifications	Priority Date	Claims	Graphic Information
1.	Composition useful for protecting a product such as food product and pharmaceutical product against fungi e.g. <i>Blumeria graminis</i> comprises polyene antifungal compound and antifungal compound from family of carboxylic acid amide fungicides	1.1 CABS 1.2 DWPI 1.3 EPFU	DSM	Agrochemical Bioregulators	2012-05-01	EP 2659776A1 1. A composition comprising a polyene antifungal compound and at least one antifungal compound from the family of carboxylic acid amide fungicides.	 (1)
		1.2 DWPI	1.1 CABS	1.1 CABS	1.1 CABS	1.3 EPFU	1.2 DWPI
2.	Gelatinous elastomer composition for molded article for delivering pharmaceutical composition, e.g. to skin to treat keloid scars, comprises block copolymer, and controlled ratio of mid-block solubilizing oil and triglyceride oil	2.1 CABS 2.2 DWPI 2.3 USFU	Silipos	Pharmaceuticals & Pharmacology	2008-09-10	1. A gelatinous elastomer composition comprising from about 1.0% to about 50.0% by weight of a block copolymer, from about 1% to 99% by weight of a mid-block solubilizing oil and from about 1% to 99% by weight of a triglyceride oil, wherein the ratio of the triglyceride oil to the mid-block solubilizing oil is between about 1:100 to 3:1.	
		2.2 DWPI	2.1 CABS	2.1 CABS	2.1 CABS	2.3 USFU	2.2 DWPI
3.	Treating and/or preventing sudden death syndrome in e.g. soy bean comprises applying polyene fungicide to plant seed, to soil in which plant is growing, to soil in which a plant or seed is to be planted, and/or plant roots	3.1 CABS 3.2 DWPI 3.3 USFU	Bayer	Agrochemical Bioregulators	2012-11-29	US20140148336A1 A method for treating and/or preventing sudden death syndrome comprising applying an effective amount of a polyene fungicide to a plant seed, to soil in which a plant is growing, to soil in which a plant or seed is about to be planted, to plant roots, or to combinations thereof.	 (1)
		3.2 DWPI	3.1 CABS	3.1 CABS	3.1 CABS	3.2 DWPI	3.2 DWPI
4.	Antifungal composition comprises polyene antifungal compound(s) - and thickening agent(s), excluding hydroxy-propyl-methylcellulose, used to prevent fungus on natural products, e.g. cheese and sausage	4.1 CABS 4.2 DWPI 4.3 EPFU	DSM	Food And Feed Chemistry	1997-03-18	EP 867124B1 1. An antifungal composition, which is an aqueous composition, comprising one or more polyene antifungal compounds, one or more thickening agents and a salt selected from the group consisting of sodium chloride or potassium chloride in an amount of 20-250 g/l wherein the one or more thickening agents are xanthan gum and/or gellan gum.	

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# Updating Reports

- **File | Update** is a special case of combining
- When the same record (database + AN) appears in both results, the update dates and content are compared
- Row Status and color coding show changes
- “Added” indicates new families  
“Updated” indicates families with new data  
Remaining rows are marked “Unchanged”

# Update - identify new and changed records

Derwent World Patents Index: natamycin DWPI new STN 28 Aug 2015 updated 12 Oct 2015

	Title	Row Status	Patent Assignee	Patent Family			Claims
				Patent	Kind	Date	
3	Agent for preventing or controlling plant disease, e.g. rice blight, sheath blight or bakanae disease in plants, e.g. rice, wheat or barley, contains D-tagatose as active ingredient	Added	MITSUI CHEM AGRO INC SHIKOKU RES INST INC SHIKOKU SOGO KENKYUSHO KK UNIV KAGAWA UNIV KAGAWA NAT CORP SANKYO AGRO KK	WO2010021121 EP2329713 US20110281807 JP2010525590X JP2015017113 US9125409	A1 A1 A1 X A B2	20100225 20110608 20111117 20120126 20150129 20150908	EP2329713A1 A plant disease control agent, comprising D-tagatose as an active ingredient.
4	Pesticide composition, e.g. for treating conventional or transgenic plants, comprises biological control agent including Paecilomyces lilacinus strain, metabolite produced by strain that exhibits activity against nematodes, and fungicide	Added	BAYER CROPS SCIENCE AG DAHMEN P SAWADA H WACHENDORFF-NEUMAN U	WO2014086748 WO2014086748 CA2893080 US20150272130	A2 A3 A1 A1	20140612 20140807 20140612 20151001	US20150272130A1 A composition comprising at least one biological control agent selected from the group consisting of Paecilomyces lilacinus strain 251 (AGAL No. 89/030550) and Coniothyrium minitans CON/M/91-08 (DSM 9660) and/or a mutant of these strains having all the identifying characteristics of the respective strain, and/or at least one metabolite produced by the respective strain that exhibits [CONT.]
5	Composition useful for treatment of e.g. food products or cheese comprises polyene fungicide and cationic surfactant derived from condensation of fatty acids and esterified dibasic amino acids, and optional ingredients e.g. sugar or salt	Updated	LAB MIRET SA	WO2009033508 WO2009033508 EP2184991 MX2010002906 CA2695343 US20100305055 BR2007022020 CA2695343 MX329588 EP2184991	A2 A3 A2 A1 A1 A1 A2 C B B1	20090319 20091210 20100519 20100331 20090319 20101202 20140325 20150707 20150421 20150902	EP2184991B1 A solid composition consisting of natamycin and a cationic surfactant (LAE) of the following formula the solid composition consisting of 2-99.9 % by weight of LAE and 0.1-98 % by weight of natamycin, the sum being 100%,
6	Bioinspired antifungal system used as delivery system for antifungal active substances, used as packaging for medical devices and delivery systems, comprises substrate that binds	Unchanged	UNIV MEXICO NACIONAL AUTONOMA UNIV SANTIAGO COMPOSTELA	WO2014198992 ES2530915	A1 A1	20141218 20150306	

# Agenda

- Creating reports from new STN
- Integrating search results & “De-duplication”
- Showing changes in Updates
- **Display formats and hyperlinks**
- How new STN XML is presented in BizInt Smart Charts
- Integrating new STN with IP sequences and others

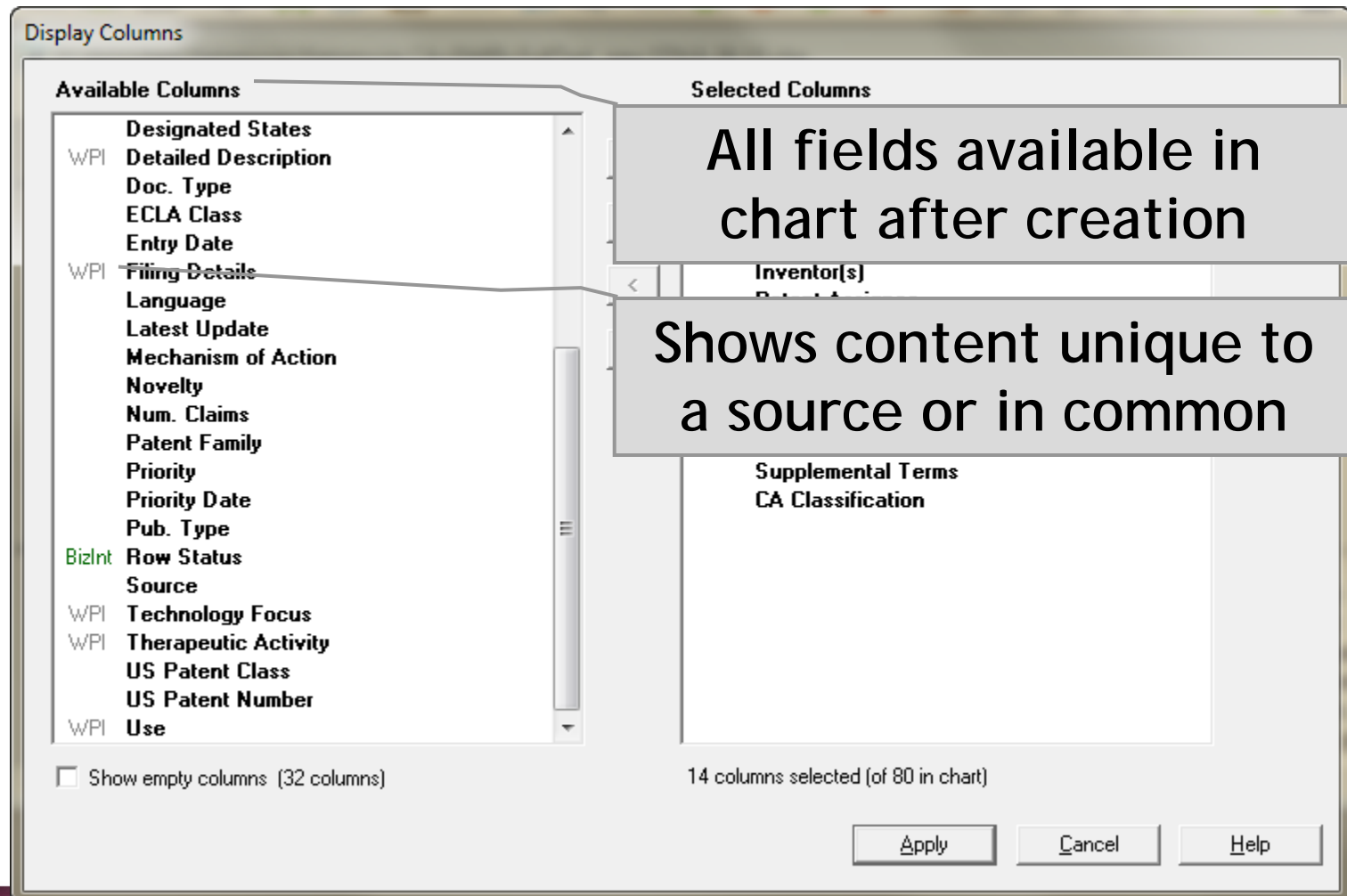


# Alternatives to Display Formats

- New STN exports do not have the equivalent of a display format (e.g. BIB AB)
- In the table, you can select fields via [View | Columns](#) (and save as a chart template)
- No equivalent for records
- Working on a model for user-defined record content



# Select columns to display in the report



# New Summary Record Export

- A new Summary Record export provides one option for a custom record today

Title: STRETCHABLE STRAP WITH GRIPPER AND METHOD OF MAKING THE SAME			
Patent Family:	Patent	Kind	Date
	CA 2574677	AA	2007-07-20
	US 2007267084	A	2007-11-22
	US 2009038706	A	2009-02-12
	US 7490634	BB	2009-02-17
Patent Assignee:	TEXTILE NETWORK INC		
Inventor(s):	RESENDEZ PAMELA; PEREIRA ABEL		
International Patent Class:	D03D11/00; D03D11/00; D03D15/04; D03D15/08; D03D15/10; D03D17/00; D03D49/50; D03D11/00; D03D15/00; D03D1/00; D03D11/00; D03D15/04; D03D15/08; D03D15/10; D03D17/00; D03D49/00; D03D11/00; D03D15/00		
Patent Number:	CA2574677AA		
Legal Status:			
Hyperlinks:	<a href="#">Source</a>	<a href="#">CA2574677AA</a>	<a href="#">Patbase PDF</a>
Notes			
Claims:			
US2007267084A			
1. A strap comprising: a frictionally enhanced layer comprising a plain weave woven from a plurality of upper warp threads and a first plurality of weft threads said upper warp threads comprising frictionally enhanced threads and non-frictionally enhanced threads; a non-frictionally enhanced layer comprising a plain weave woven from a plurality of lower warp threads and a second plurality of weft threads said lower warp threads comprising non-frictionally enhanced threads; and a connection between said frictionally enhanced layer and said non-frictionally enhanced layer comprising a plurality of internally located elastomeric warp threads and a plurality of binder warp threads both woven over and under each of a complete set of weft threads wherein every the warp thread of said connection belongs to said plurality of internally located elastomeric warp threads and wherein said complete set of weft threads			

# Alternatives to Chemport Links

- New STN exports do not include Chemport or FIZ AutoDoc links
- BizInt Smart Charts allows you to link publication numbers to internet resources
- Will include the ability to link DOI to your preferred link resolver in a coming release
- Investigating OpenURL links for all citations

# Links from Patent Numbers

## Chemical Abstracts: natamycin CA new STN 8-28-15

				Patent Family			CA Classification					
				Patent	Kind	Date						
1	Link anti uses	Mean on a	1	<div>Patent Full-text Link Options</div> <div>Choose how patent numbers from the following authorities should be converted to full-text links in HTML exports.</div> <div><div>Authority</div><div>Link to:</div><div><input checked="" type="checkbox"/> US<div>USPTO</div><div>Configure</div></div><div><input checked="" type="checkbox"/> EP<div>esp@cenet</div><div>Configure</div></div><div><input checked="" type="checkbox"/> WO<div>Patentscope</div><div>Configure</div></div><div><input type="checkbox"/> FR,GB<div>esp@cenet</div><div>Micropatent</div><div>Orbit.com</div><div>PatBase Express</div><div>PatentOrder</div><div>PatentOrder Direct</div><div>Patentscope</div><div>Questel PDS</div><div>Questel PDS w/ IP validation</div><div>Thomson Innovation</div><div>TotalPatent</div></div><div><div>OK</div><div>Cancel</div><div>Help</div></div></div>							Pharmacology (1)	
2				USING THE				JP Patents Fulltext				
				ATCH								
3	Topical pharmaceuticals for treatment of hemorrhoid	Ogata, Kazumi	Senju Pharmaceutical Co., Ltd., Japan (JP)	WO9964040	A1	19991216	Pharmaceuticals (63)					
				EP664130	A1	19950726						
4	Continuous natamycin production with Streptomyces	Olson, Phillip Terry	Bio-Technical Resources, United States (US)	WO9303171	A1	19930218	Fermentation And Bioindustrial Chemistry (16)					
				AU9224080	A	19930302						
EP598009				A1	19940525							
EP598009				B1	19961016							
JP06508763				T	19941006							
JP2801966				B2	19980921							
ES2093272				T3	19961216							
				WO9307884	A1		19930429					
				EP664130	A1	19950726						
				WO9303171	A1	19930218						
				AU9224080	A	19930302						
				EP598009	A1	19940525						
				EP598009	B1	19961016						
				JP06508763	T	19941006						
				JP2801966	B2	19980921						
				ES2093272	T3	19961216						

# Agenda

- Creating reports from new STN
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- Integrating new STN with IP sequences and others





# How BizInt handles new STN data

- Let's examine one of these EPFULL records

2,5-DISUBSTITUTED ARYL SULFONAMIDE CCR3 ANTAGONISTS	WO 2010123956	A2	20101028	2009-04-22	Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)	A61K0031/445 A61P0011/06 A61P0025/28 C07C0311/29 C07D0211/96 C07D0241/04 C07D0243/08 C07D0295/26 C07D0403/04 C07D0487/04	EP 2421829B1 1. A compound of Formula II: or an enantiomer, a mixture of enantiomers, a mixture of two or more diastereomers, a tautomer, or a mixture of two or more tautomers thereof, or a pharmaceutically acceptable salt, solvate, or hydrate thereof,
	EP 2421829	A2	20120229				
	EP 2421829	B1	20150930				

# How BizInt handles new STN data

- Bibliographic data for one member...

☐ WO A2  
EP A2  
EP B1

## 2. 2,5-DISUBSTITUTED ARYLSULFONAMIDE CCR3 ANTAGONISTS

[Show Alternate Language](#)

**Inventor:** LY, Tai, Wei, 10824 Caminito Colorado, San Diego CA 92131, United States (US)  
TRAN, Marie Chantal, Siu-ying, 6620 N. Golden West Avenue, Arcadia CA 91007, United States (US)  
BAAUM, Erik, Dean, 4020 N. Teewinot Road, Teton Village WY 83025, United States (US)

**Patent Assignee:** Axikin Pharmaceuticals, Inc., 10835 Road to the Cure Suite 250, San Diego CA 92121, United States (US) (EPO-Number: 101211848)

**Document Type:** Patent; (Fulltext); Patent

**Document ID:** 2010076626 (AN)

☐ [Patent Information](#) [Show Designated States](#)

Publication			Applicati		Priority	
Number	Kind	Date	Number	Date	Number	Date
WO 2010123956	A2	20101028	WO 2010-US31828	20100421	US 2009-171775P	20090422

# How BizInt handles new STN data

- ... as well as for another member

☐ 2. 2,5-DISUBSTITUTED ARYL SULFONAMIDES  
[Show Alternate Language](#)

**WO A2**  
**EP A2**  
**EP B1**

**Inventor:** LY, Tai Wei, 10824 Caminito Colorado, San Diego CA 92131, United States (US)  
TRAN, Marie Chantal Siu-Ying, 6620 N. Golden West Avenue, Arcadia CA 91007, United States (US)  
RAAUM, Erik Dean, 4020 N. Teewinot Road, Teton Village WY 83025, United States (US)

**Patent Assignee:** Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)

**Document Type:** Patent; (Fulltext)

**Document ID:** 2010076626 (AN)

☐ Patent Information

Publication		
Number	Kind	Date
WO 2010123956	A2	20101028

☐ 2. 2,5-DISUBSTITUTED ARYLSULFONAMIDE CCR3 ANTAGONISTS  
[Show Alternate Language](#)

**WO A2**  
**EP A2**  
**EP B1**

**Inventor:** LY, Tai Wei, 10824 Caminito Colorado, San Diego CA 92131, United States (US)  
TRAN, Marie Chantal Siu-Ying, 6620 N. Golden West Avenue, Arcadia CA 91007, United States (US)  
RAAUM, Erik Dean, 4020 N. Teewinot Road, Teton Village WY 83025, United States (US)

**Patent Assignee:** Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)

**Agent:** Savic Bojan, et al., Jones Day Rechtsanwälte Attorneys-at-Law Patentanwälte Prinzregentenstraße 11, 80538 München, DE, Germany (DE) (EPO-Number: 101415096)

**Document Type:** Patent; (Fulltext)

**Document ID:** 2010076626 (AN)

☐ Patent Information

[Show Designated States](#)

Publication			Application		Priority	
Number	Kind	Date	Number	Date	Number	Date
EP 2421829	B1	20150930	EP 2010-714821	20100421	US 2009-171775P	20090422

# Selecting one representative document

- Bibliographic data from the EP-B document

2,5-DISUBSTITUTED ARYL SULFONAMIDE CCR3 ANTAGONISTS	WO 2010123956	A2	20101028	2009-04-22	Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)	A61K0031/445 A61P0011/06 A61P0025/28 C07C0311/29 C07D0211/96 C07D0241/04 C07D0243/08 C07D0295/26 C07D0403/04 C07D0487/04	EP 2421829B1 1. A compound of Formula II: or an enantiomer, a mixture of enantiomers, a mixture of two or more diastereomers, a tautomer, or a mixture of two or more tautomers thereof; or a pharmaceutically acceptable salt, solvate, or hydrate thereof;
	EP 2421829	A2	20120229				
	EP 2421829	B1	20150930				



- In general, BizInt Smart Charts chooses the most recent document from the authority (e.g. most recent EP document in EPFULL)

# Selecting one representative document

- Selects a “best” set of claims

2,5-DISUBSTITUTED ARYL SULFONAMIDE CCR3 ANTAGONISTS	WO 2010123956	A2	20101028	2009-04-22	Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)	A61K0031/445 A61P0011/06 A61P0025/28 C07C0311/29 C07D0211/96 C07D0241/04 C07D0243/08 C07D0295/26 C07D0403/04 C07D0487/04	EP 2421829B1 1. A compound of Formula II: or an enantiomer, a mixture of enantiomers, a mixture of two or more diastereomers, a tautomer, or a mixture of two or more tautomers thereof; or a pharmaceutically acceptable salt, solvate, or hydrate thereof;
	EP 2421829	A2	20120229				
	EP 2421829	B1	20150930				



- “Best” is based on a set of criteria:  
claims in English; granted if available;  
US/EP/WO if available



# Creating composite families in fulltext files

- Create a Patent Family

2,5-DISUBSTITUTED ARYL SULFONAMIDE CCR3 ANTAGONISTS	WO 2010123956	A2	20101028	2009-04-22	Axikin Pharmaceuticals, Inc., 4940 Carroll Canyon Road Suite 100, San Diego CA 92121, United States (US) (EPO-Number: 101459061)	A61K0031/445 A61P0011/06 A61P0025/28 C07C0311/29 C07D0211/96 C07D0241/04 C07D0243/08 C07D0295/26 C07D0403/04 C07D0487/04	EP 2421829B1 1. A compound of Formula II: or an enantiomer, a mixture of enantiomers, a mixture of two or more diastereomers, a tautomer, or a mixture of two or more tautomers thereof, or a pharmaceutically acceptable salt, solvate, or hydrate thereof,
	EP 2421829	A2	20120229				
	EP 2421829	B1	20150930				



- Lists all publications in the fulltext record

# Same selection rules apply to DWPI

- Bibliographic data from Invention data
- Claims from selected member data

Derwent World Patents Index: natamycin DWPI-100

	Title	Patent Assignee	Patent Family			Use	Advantages	Claims
			Patent	Kind	Date			
65	Composition for delivering agents e.g. warfarin comprises reverse microemulsion of hydrophilic, biological-active agent solubilized by hydrophobic reverse emulsion surfactant in non-stinging, hydrophobic solvent such as volatile alkanes	ROCHAL IND LLP ROCHAL IND LLC	US20140127320 WO2014074289 US8852648 CA2890333 AU2013341646	A1 A1 B2 A1 A1	20140508 20140515 20141007 20140515 20150528	As a composition for forming a polymer coating on a biological surface; for delivering a biological-active agent to a biological surface such as 9-lactam antibiotics, penicillins, ampicillin, capsaicin, warfarin, bacitracin, neomycin sulfate, polymyxin b sulfate, aloe vera, glutaraldehyde, and formaldehyde (claimed).	The reverse microemulsion is optically clear solution. The composition is non-cytotoxic and non-irritating to mammalian cells. The composition can provide transdermal delivery of biological-active substances that are inherently insoluble in the volatile, hydrophobic solvent by solubilizing them in a reverse microemulsion. [CONT.]	US8852648B2 A composition comprising: a reverse microemulsion comprising at least one hydrophilic, biologically-active agent solubilized by a hydrophobic reverse emulsion surfactant in a non-stinging, volatile, hydrophobic solvent, and a polymer substrate soluble in the non-stinging, volatile, hydrophobic solvent, wherein said non-stinging, volatile, hydrophobic solvent is selected from the group [CONT.]
66	Preservative agent used e.g. for reducing mildew and rot in sweet persimmon includes natamycin, butylamine, thiophanate-methyl-based agent, chlorothalonil, trichloroisocyanuric acid, and/or trichloroisocyanuric acid sodium	BAOSHAN YINGSHANHONG FRUIT & VEGETABLE	CN103609554	A	20140305	Preservative agent used for reducing mildew and rot and delaying aging in sweet persimmon.	The agent is convenient to use, maintains original quality of persimmon, and has high efficiency, no residue, and fresh-keeping effect.	CN103609554A [CLAIM 1] One is a front sweet persimmon preservative agent, wherein, using natamycin, sec-butylamine, thiophanate-methyl as main agent, methyl tetrahydrofuran to li, chlorothalonil, trichloroisocyanuric acid, trichloro sodium isocyanuric acid, trichloro potassium isocyanuric acid, one or more of a component in a second chloride isocyanuric acid, sodium dichloroisocyanurate, two chlorine isocyanuric acid, potassium chlorite, potassium chlorate is used as component of, to weight based on a certain proportion and

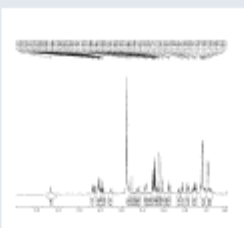
# Additional notes on content

- Typically only imports one variant on a value (e.g. classes, publication numbers, etc.)
- Full details (such as IPC details) appear in record but not in table
- First claim (or independent claims, if listed) shown in table. All claims in record.
- Table contents may be truncated (change via [Options | Text truncation in cells](#))

# Clipped Images

- First image for each record

Derwent World Patents Index: natamycin DWPI-100

Title	Patent Assignee	Basic Patent Number	Derwent Class	Image	Use	
New pimarinic penicillin derivative for antifungal drug and food preservative	UNIV SHANGHAI JIAOTONG	CN 104370984 A	B02 C02 D13 D16		A pimarinic penicillin derivative for antifungal drug and food preservative (all claimed).	The pimarinic penicillin derivative has low toxicity and good stability.
Composition used e.g. to treat fungal infections, comprises at least one antifungal agent and hydrophobic chitosan compounds	CNRS CENT NAT RECH SCI UNIV PARIS-SUD 11 UNIV PARIS-SUD II	FR 3011470 A1	A11 A14 A96 B04 C03			



# Chemical Structures and Markush

- Version 4.2 supports Abstract structure in CAplus, DCR structures in DWPI records
- Image quality is poor (due to internal storage)
- Currently working on improving image quality, supporting structures from more databases

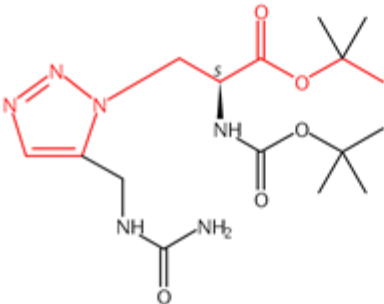
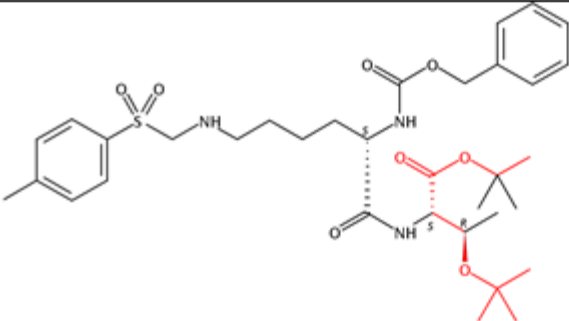


# Hit Structures

- Development underway to synthesize a Hit Structure display from CAplus and REGISTRY
- Will require both Caplus and corresponding REGISTRY results in the same export  
**Warning - 500 record limit!**
- Similar display to be used with MARPAT/DWPIM

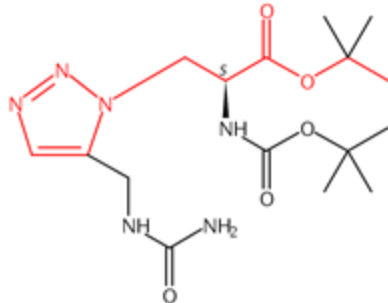
# Hit Structure Display - Prototype

- Model for Hit Structure Display (1)

	1629356-57-5
	894412-88-5P, Threonine, N-carboxy-N-p-tolylsulfonyl-L-lysyl-O-tert-butyl-, N-benzyl tert-Bu ester, L-

# Hit Structure Display - Prototype

- Model for Hit Structure Display (2)

prepn. Of RL: Preparation (PREP); Synthetic Preparation (SPN)	1629356-57-5	
---	--------------	---

# Literature on New STN

- All literature files on new STN supported
- (Almost) all content supported... both patent and non-patent document types
- Ongoing development:  
duplicate detection  
full text links

# Agenda

- Creating reports from new STN
- Integrating search results & “De-duplication”
- Showing changes in Updates
- Display formats and hyperlinks
- How new STN XML is presented in BizInt Smart Charts
- Integrating new STN with IP sequences and others







# BizInt Smart Charts

VERSION

4

*for Patents*

## Patent Databases

*Provide data on patents filed worldwide*

- **STN** – Classic & **New**
- Questel Orbit.com
- Minesoft PatBase
- Thomson Innovation, Cortellis IP, Integrity Patents
- LexisNexis TotalPatent
- **GQ LifeSciences LifeQuest**





*for Patents*

## Literature Databases

*Provide data on technical and scientific publications*

- Biomedical (Embase, Biosis, Medline)
- Scientific (SciSearch, Chemical Abstracts, PQSciTech, etc)
- Technical (INSPEC, RAPRA, GEOREF, etc.)
- Hosts: STN (Classic & **New**),  
**ProQuest Dialog, Ovid, PubMed**



# BizInt Smart Charts

VERSION

4

*for Patents*

## IP Sequence Databases

*Provide data on sequences filed in patents*

- GenomeQuest (Geneseq, GQ-PAT)
- STN (USGENE, DGENE, PCTGEN)



# CRISPR/Cas9 example: Integrating patent and IP sequence data

- Search GenomeQuest for CRISPR/Cas9 sequence (GENEPAST search, 90% identity)
- Transfer PN list from GenomeQuest to PatBase
- Use the PN list to search new STN and export DWPI families.
- Create a combined report from GenomeQuest, PatBase and DWPI.

# Integrating patent and IP sequence data

CAS-9 - GenomeQuest, PatBase, DWPI (new STN)

	Title	Database	Probable Assignee	Patent Family			Sequence Locations			
				Patent	Kind	Date	Seq. ID Number	% Identity	Length	Location
1.	New polynucleotide used in expression construct for targeted genomic modification in mammalian cells	1.1 GPATPRT	SYSTEM BIOSCIENCES LLC	US 2014273226	A	2014-09-18	US20140273226-0011	99.93	1400	claim: 8
		1.2 GPATPRT		US 2014273037	A	2014-09-18	US20140273226-0005	99.93	1413	claim: 8
		1.3 GPATPRT		US 9234213	BB	2016-01-12	US20140273226-0013	99.78	1400	claim: 8
		1.4 GPATPRT					US20140273226-0001	100.00	1368	probable disclosure (not found by automated parsing)
		1.5 GPATPRT								
		1.6 Patbase								
		1.7 DWPI					US20140273226-0012	99.85	1400	claim: 8
		1.7 DWPI								
			1.6 Patbase							
						1.6 Patbase				
2.	Isothermal method for detecting target nucleic acid strand in sample by contacting sample suspected to contain target nucleic acid strand with e.g. clustered regularly interspaced short palindromic repeats-associated (CAS)-9 mutant	2.1 GPATPRT	AGILENT TECHNOLOGIES INC	US 2015211058	A	2015-09-20	WO2015116686-0003	98.90	1367	probable disclosure (not found by automated parsing)
		2.2 GPATPRT		WO 15116686	A1	2015-09-20				
		2.3 GPATPRT								
		2.4 GPATPRT					WO2015116686-0001	98.98	1367	claim: 3
		2.5 GPATPRT					WO2015116686-0002	98.90	1367	probable disclosure (not found by automated parsing)
		2.6 GPATPRT								
		2.7 Patbase								
		2.8 DWPI					US20150211058-0003	98.90	1367	probable disclosure (not found by automated parsing)
							US20150211058-0001	98.98	1367	claim: 3
							US20150211058-0002	98.90	1367	probable disclosure (not found by automated parsing)
		2.8 DWPI								
			2.7 Patbase							
						2.7 Patbase				



# Summarize sequence data for a family

## CAS-9 - GenomeQuest, PatBase, DWPI

Title	Database	Probable Assignee
1. New polynucleotide used in expression construct for targeted genomic modification in mammalian cells	1.1 GPATPRT	SYSTEM BIOSCIENCES LLC
	1.2 GPATPRT	
	1.3 GPATPRT	
	1.4 GPATPRT	
	1.5 GPATPRT	
	1.6 Patbase	
	1.7 DWPI	
1.7 DWPI		1.6 Patbase
2. Isothermal method for detecting target nucleic acid strand in sample, by contacting sample suspected to contain target nucleic acid strand with e.g. clustered regularly interspaced short palindromic repeats-associated (CAS)-9 mutant	2.1 GPATPRT	AGILENT TECHNOLOGIES INC
	2.2 GPATPRT	
	2.3 GPATPRT	
	2.4 GPATPRT	
	2.5 GPATPRT	
	2.6 GPATPRT	
	2.7 Patbase	
	2.8 DWPI	
2.8 DWPI		2.7 Patbase

Sequence Locations				
Seq. ID Number	% Identity	Length	Location	
US20140273226-0011	99.93	1400	claim: 8	1.1
US20140273226-0005	99.93	1413	claim: 8	1.2
US20140273226-0013	99.78	1400	claim: 8	1.3
US20140273226-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.4
US20140273226-0012	99.85	1400	claim: 8	1.5
WO2015116686-0001	98.98	1367	claim: 3	2.2
WO2015116686-0002	98.90	1367	probable disclosure (not found by automated parsing)	2.3
US20150211058-0003	98.90	1367	probable disclosure (not found by automated parsing)	2.4
US20150211058-0001	98.98	1367	claim: 3	2.5
US20150211058-0002	98.90	1367	probable disclosure (not found by automated parsing)	2.6

2.8 DWPI

2.7 Patbase

2.7 Patbase

*for Patents*

## New “Summary Record” export

1.	Title: RNA-GUIDED TRANSCRIPTIONAL REGULATION				
	Database: <a href="#">PatBase</a> <a href="#">GQPAT Gold+ Proteins</a> <a href="#">GQPAT Gold+ Proteins</a>				
Patent Family:	Patent	Kind	Date		
	<a href="#">US 2014356959</a>	A	2014-12-04		
	<a href="#">US 2014356956</a>	A	2014-12-04		
	AU 2014274939	AA	2014-12-11		
	<a href="#">WO 14197568</a>	A2	2014-12-11		
	<a href="#">WO 14197568</a>	A3	2015-03-12		
	CA 2914638	AA	2015-12-04		
	KR 20160014036	A	2016-02-05		
Probable Assignee:	PRESIDENT AND FELLOWS OF HARVARD COLLEGE				
Organism Species:	Streptococcus pyogenes				
Sequence Summary:	Seq. ID Number	Location	% Identity	Length	
	US20140356956-0001	probable disclosure (not found by automated parsing)	100.00	1368	
	US20140356959-0001	probable disclosure (not found by automated parsing)	100.00	1368	
Notes					
Alignment:					
Q:	1	MDKKYSIGLDIGTNSVGWAVITDEYKVPSKKFKVLGNTDRHSIKKNLIGALLFDSGETAE		60	

# Value-added indexing - PatBase and DWPI

	Title	Database	Patent Family			Probable Assignee	Patent Assignee	Therapeutic Activity
			Patent	Kind	Date			
1.	Non-naturally occurring or engineered composition used in e.g. preparation of medicine for ex vivo gene or genome editing, comprises single guide RNA comprising sequence capable of hybridizing to target sequence in genomic locus	1.1 Patbase	WO 15089486	A2	2015-06-18	BROAD INST INC	HARVARD COLLEGE MASSACHUSETTS INST TECHNOLOGY UNIV TOKYO BROAD INST INC	Neuroprotective; Nootropic; Antiinflammatory; Antiparkinsonian. No biological data given.
		1.2 DWPI	WO 15089473	A1	2015-06-18			
			WO 15089427	A1	2015-06-18			
			WO 15089364	A1	2015-06-18			
			WO 15089364	A9	2015-08-06			
			WO 15089473	A9	2015-08-13			
			WO 15089486	A3	2015-08-20			
		1.2 DWPI			1.1 Patbase	1.1 Patbase	1.2 DWPI	1.2 DWPI
2.	Composition useful e.g. for treating e.g. cancer, and lung, liver and kidney diseases, comprises engineered nucleoprotein complex containing clustered regularly interspaced short palindromic repeats-associated protein 9 polypeptide	2.1 Patbase	WO 15200555	A2	2015-12-30	CARIBOU BIOSCIENCES INC	CARIBOU BIOSCIENCES INC DONOHUE P HAURWITZ R MAY A P NYE C SLORACH E	Antiarthritic; Cytostatic; Neuroprotective; Vulnerary; Antibacterial; Respiratory-Gen.; Hepatotropic; Ophthalmological; Cardiant; Vasotropic. No biological data given.
		2.2 DWPI	US 2015376587	A	2015-12-31			
		2.3 DWPI	US 2015376586	A	2015-12-31			
		2.2 DWPI			2.1 Patbase	2.1 Patbase	2.2 DWPI	2.2 DWPI
3.	Altering target severe combined immunodeficiency-associated polynucleotide sequence in cell, to treat SCID, comprises contacting the target sequence with clustered regularly interspaced short palindromic repeats-associated protein and RNAs	3.1 Patbase	WO 15006498	A2	2015-01-15	CHILDRENS MEDICAL CENTER	CHILDRENS MEDICAL CENT HARVARD COLLEGE COWAN C A MUSUNURU K ROSSI D J	Immunostimulant; Antisickling; Antianemic.
		3.2 DWPI	WO 15006498	A3	2015-04-02			
			US 2015152436	A	2015-06-04			
		3.2 DWPI			3.1 Patbase	3.1 Patbase	3.2 DWPI	3.2 DWPI
4.	New guide RNA molecule comprising a targeting domain which is complementary with a target domain from the Centrosomal Protein 290kDa (CEP290) gene, useful for altering a cell and for treating Leber's Congenital Amaurosis 10	4.1 Patbase	US 2015252358	A	2015-09-10	EDITAS MEDICINE INC	EDITAS MEDICINE INC BUMCROT D A MAEDER M L SHEN S	Ophthalmological. Test details are described but no results given.
		4.2 DWPI	WO 15138510	A1	2015-09-17			
		4.2 DWPI			4.1 Patbase	4.1 Patbase	4.2 DWPI	4.2 DWPI



# Orbit.com: Improved Family Status table

## FAMPAT: 4.0 Improvements

	Title	Patent Family			Family Status			
		Patent	Kind	Date	Pub No.	State	Status	Expiry
1	Stabilizers containing recombinant human serum albumin for live virus vaccines	WO 9912568	A1	1999-03-18	WO9912568A1	ALIVE	PENDING	2018-09-01
		CA 2302282	A1	1999-03-18	US6210683B1	DEAD	LAPSED	2005-04-03
		AU 9890415	A	1999-03-29	EP1009434A1	DEAD	LAPSED	2006-10-27
		EP 1009434	A1	2000-06-21	JP2001518447A	DEAD	LAPSED	2010-10-16
		US 6210683	B1	2001-04-03	CA2302282A1	DEAD	LAPSED	2008-09-02
		AU 735330	B2	2001-07-05	AU9890415A	ALIVE	GRANTED	2018-09-01
		JP 2001518447	A	2001-10-16				
		EP 1009434	A4	2006-07-05				
2	Immunization compositions and methods	US 20110189226	A1	2011-08-04	WO201195402A1	ALIVE	PENDING	2031-01-21
		EP 2353609	A1	2011-08-10	US8697353B2	ALIVE	GRANTED	2031-02-01
		WO 201195402	A1	2011-08-11	US20140220073A1	ALIVE	PENDING	2031-02-01
	Family Status table (including Kind Code)			2012-03-14	EP2353609A1	DEAD	LAPSED	2012-01-11
				2012-08-23	AR80111A1	ALIVE	PENDING	2031-02-02
				2012-09-27	SG182833A1	ALIVE	PENDING	2031-01-21
				2012-10-17	CN102740879A	ALIVE	PENDING	2031-01-21
				2013-04-03	MX2012009046A	ALIVE	PENDING	2031-01-21
		US 8697353	B2	2014-04-15	AU2011212647A1	ALIVE	GRANTED	2031-01-21
		US 20140220073	A1	2014-08-07				
		AU 2011212647	B2	2015-06-04				





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