

Patents & IP Sequences | Clinical Trials | Drug Pipelines

Get Up to Date with BizInt Smart Charts for Patents

John Willmore, VP Product Development

PIUG NE Regional Conference Workshop, Iselin, NJ, 25 September 2019

www.bizint.com

Agenda

- What's New
- **Updating Reports**
- Summary Records and Hit structure reports
- Reference Rows

Non-Patent Literature

Future directions

bizint.com/slides

What's New

- Version 5.3 just released (almost)
- Update enhancements
- Additional STN content
- Coping with STNext exports
- PatBase enhancements
- Hit Structure options



BizInt Smart Charts



for Patents

Patent Databases

Provide data on patents filed worldwide

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



BizInt Smart Charts



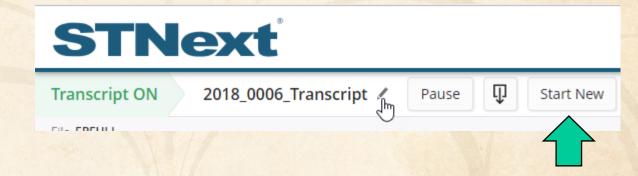
for Patents

STN Content

- DWPI, IFI, Caplus, MARPAT, REGISTRY
- Fulltext: US PCT EP JP KR AU CA CN FR GB DE
- Literature: EMBASE, MEDLINE, BIOSIS, AGRICOLA, ANABSTR, AQUASCI, BIOENG, BIOTECHNO, CABA, CANCERLIT, COMPENDEX, COMPUAB, COMPUSCIENCE, DISSABS, ENCOMPLIT, FEDRIP, FSTA, FROSTI, INSPEC, IPA, KOSMET, LIFESCI, METADEX, PASCAL, RAPRA, SciSearch, TOXCENTER, TULSA, GEOREF, PQSciTech, DDF, PIRA, TEMA, NTIS, 1MOBILITY
- Sequence: DGENE, PCTGENE, USGENE

Importing transcripts from STNext

- Make sure that Classic Display is on
- Start new transcript before displaying.



Importing transcripts from STNext

- Version 5.2 can handle some cases of problem RTF exports from STNext.
- Version 5.2 is ready for the enhanced structure displays coming next week on STNext.

PatBase: New fields for 5.0

		Land Status Link	WED				
Patent	Kind	Date	Appl.	Appl. Date	State	Legal Status Link	VLF ID
US 2014148428	Α	2014-05-29	US20130090815	2013-11-26	DEAD	http://www.patbase.c	
US 2016213689	Α	2016-07-28	US20160008665	2016-01-28	DEAD	om/legal/public/inde	
US 2018064729	Α	2018-03-08	US20170652777	2017-07-18	ALIVE	x.php?id=56546002	4
AU 2013352288	AA	2014-06-05	AU20130352288	2013-11-26	ALIVE		\
AU 2013352288	BB	2017-11-23	AU20130352288	2013-11-26	ALIVE		\
WO 14085474	A1	2014-06-05	WO2013US72038	2013-11-26	DEAD		\
TW 201434469	Α	2014-09-16	TW20130143227	2013-11-27	ALIVE		\
TW 1636786	В	2018-10-01	TW20130143227	2013-11-27	ALIVE		\
CA 2891348	AA	2015-05-12	CA20132891348	2013-11-26	ALIVE		\
SG 11201503697T	A1	2015-06-29	SG20151103697 \	2013-11-26	ALIVE		
IL 239025	A0	2015-07-30	IL20130239025	2013-11-26	ALIVE		
KR 20150089052	Α	2015-08-04	KR20157016809	2013-11-26	ALIVE		
PH 2015501108	В	2015-08-17	PH20150501108	2015-05-19	ALIVE		
PH 2015501108	Α	2015-08-17	PH20150501108	2015-05-19	ALIVE		
CN 104853758	Α	2015-08-19	CN201380061734	2013-11-26	ALIVE		
CL 2015001442	A1	2015-08-28	CL20150001442	2015-05-27	ALIVE		
EP 2925328	A1	2015-10-07	EP20130802822	2013-11-26	ALIVE		
IN 05091DN2015	Α	2015-12-18	IN2015DN05091	2015-06-11	ALIVE	\	
JP 2016500111	T2	2016-01-07	JP20150544191T	2013-11-26	ALIVE		
JP 6270171	B2	2018-01-31	JP20150544191T	2013-11-26	ALIVE		
MX 2015006710	A1	2016-01-15	MX20150006710	2013-11-26	ALIVE		
HK 1211844	A1	2016-06-03	HK20150112720	2015-12-24	ALIVE		
ID 201604069	Α	2016-06-17	ID2015P0003748	2013-11-26	ALIVE		
			·		·		

Extended Pa in a si

Link Lega

Support for Very Large Family IDs

This feature brought to you by...

- Let us know if there is content that you want to see, or that you want to see presented differently
- That's how the software evolves!

For example...

- We are working with a customer on a feature to extract legal status events (from a userspecified list) into a new field
- We are at the design stage for custom sort orders for patent families.

Let us know what you want to see!

More examples driven by customer requests...

- Support for hit structures from STN.
- Enhanced change reporting in updates to flag new family members

New in Version 5.3!

Best Practices

- Keep your chart files!
- Even though you may have delivered a report to your client, if they ask for changes (additional fields, different sort order) it is easier to start from a prepared chart than from scratch.

Best Practices

- Keep your chart files!
- This month's report can be the baseline for an updated report.
- You can Update a report to see which families are new in your results and which

have changed.

	F	PatBase: Natamycin_Update											
		T:41-	David Status	Pater	nt Fami	ly	Priority Dat	a	Applicati	ons			
1		Title	Row Status	Patent	Kind	Date	Number	Date	Application	Date			
	2	SUBMICRON NATAMYCIN PARTICLE	Added	WO 15044465 WO 15044465	A2 A3		EP20140167408 EP20140192514	2014-05-07 2014-11-10	W02015EP50647 W02015EP50647	2015-01-15 2015-01-15			
	3	COMPOSITION COMPRISING A PESTICIDAL TERPENE MIXTURE AND A FUNGICIDE	Updated	WO 14020109 AU 2013298562 CA 2880671 AR 091953 KR 20150041638	A1 AA AA AA	2014-02-06 2014-02-06 2015-01-30 2015-03-11 2015-04-16	EP20120179145 WO2013EP66178	2012-08-03 2013-08-01	W02013EP66178 AU20130298562 CA20132880671 AR2013P102729 KR20157004997	2013-08-01 2013-08-01 2013-08-01 2013-08-01 2013-08-01			

Updating reports

- File | Update
- The "key" chart is your baseline your existing report, against which new data is compared
- Rows from the baseline are copied in order to the new chart... new records added at bottom... changed records remain in position from baseline chart.
- All charts need to be open before updating.

Updating reports

- Added charts in an update can be either a set of new records (as in an alert)
- This only reports Added and Updated rows.



Select the operation you would like to perform:

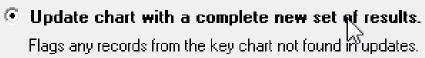
- Update chart with partial results
 Useful for alerts and other date limited searches.
- Update chart with a complete new set of results.
 Flags any records from the key chart not found in updates.
- Update combined chart with new results from one database. Changes update status for one database only.

Updating reports

- Added charts can also be a complete set of data (as in exporting a workbook after new records added)
- In this case, you could use the "Update with complete set of results" option, which will report any rows which were no longer in the set.

Select the operation you would like to perform:

Update chart with partial results
 Useful for alerts and other date limited searches.



Changes update status for one database only.

Updating reports from multiple sources

- Combine all new charts into one and update key chart with this new chart
- -or-
- Update key chart by adding charts from all sources

 Change detection is for the last update, so you want to do the update in one step.

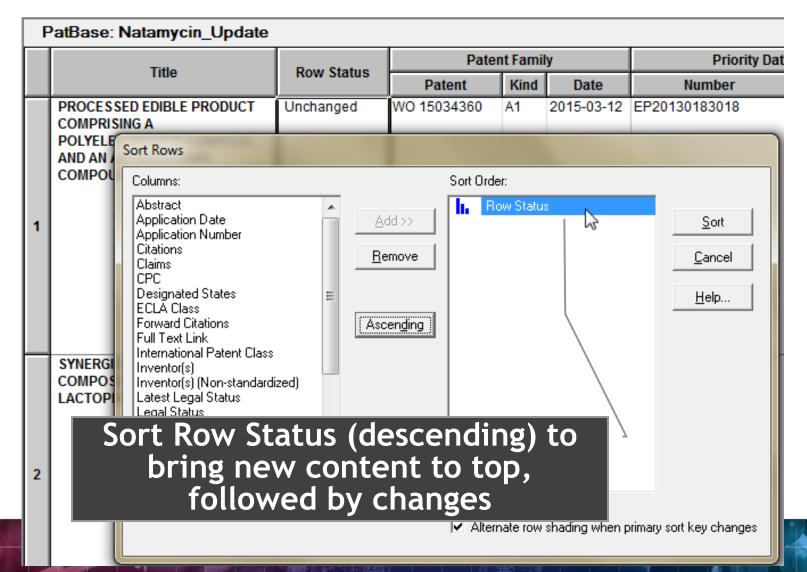
Updating reports (family oriented)

- "Added" means this is a new family in this report
- "Updated" means the family was seen before but has new/changed information
- "Unchanged" means the family has not changed from the baseline
- Row Status reflects what happened to the record at that row.

Updating reports (publication level)

- "Added" means this is a new publication in this report
- "Updated" means the publication has been changed (typically added indexing)
- "Unchanged" means the publication has not changed from the baseline

Sorting updated reports



Sorted updated report

	T-11-	David Otatura	Pater	Patent Family			ıta	Application	ons
	little	Title Row Status		Kind	Date	Number	Date	Application	Date
2	SUBMICRON NATAMYCIN PARTICLE	Added	WO 15044465 WO 15044465	A2 A3		EP20140167408 EP20140192514		WO2015EP50647 WO2015EP50647	2015-01-15 2015-01-15
3	COMPOSITION COMPRISING A PESTICIDAL TERPENE MIXTURE AND A FUNGICIDE	Updated	WO 14020109 AU 2013298562 CA 2880671 AR 091953 KR 20150041638	A1 AA AA AA A		EP20120179145 WO2013EP66178		WO2013EP66178 AU20130298562 CA20132880671 AR2013P102729 KR20157004997	2013-08-01 2013-08-01 2013-08-01 2013-08-01 2013-08-01

New Publications column

- Automatically created during update if there is a Patent Family column present.
- Lists publications found in new records but not in the "key" chart.
- Reflects publications not in the key chart during the last update operation only.

New Publications column

• New in version 5.3

PatBase: Up	odated M	lousetraps
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	Title	Row Status	Pater	nt Famil	y	- New Publications	
	Tiue	Row Status	Patent	Kind	Date	New Publications	
1	Mousetrap			A	2006-08-24	US 7231738 B	
	A	[US 7231738	В	2007-06-19		
	A	[AU 2005200789	AA	2006-09-07		
	A	[
	A	1					
	A	[
	A	1					
	A '	[
	2 2017222424		531.4750040		5000 04 00		
2	Source: CN1762213A The invention provides a mouse	Unchanged	CN 1762213	Α	2006-04-26		
	trap without bait comprising:	1					
	main						
	· · · · · · · · · · · · · · · · · · ·	1					
	/ ·						

New Publications column

In Added rows, all publications are "New"

Р	PatBase: Updated Mousetraps											
	Title	Daw Status	Pater	nt Famil	ly	New Dublications						
	Title	Row Status	Patent	Kind	Date	New Publications						
37	Falle zum Fangen von Maeusen und aehnlichen Kleintieren; Trap to catch mice and other small rodents has two housing parts one open at the top and pivotably positioned on an other open a	Added	DE 102004053106	B3	2006-03-30	DE 102004053106 B3						
38	Safety disposable mouse trap	Added			2006-03-30 2007-07-05 2006-04-06 2006-09-14	US 2006064922 A US 2007151140 A WO 2006036767 A2 WO 2006036767 A3						

Multiple records per family

- Reports combining results from several family-oriented databases
 e.g. Orbit and DWPI
- Reports built from publication level databases e.g. Derwent Innovation
- Reports with a mix of family and publication level databases
 e.g. CAplus, USFULL, EPFULL, PCTFULL

Introducing Reference Rows

- One or more record in each family
- Records grouped based on "Common Family"
- Selection for each field is based on rules
- Special rules for the Row Status and New Publications columns

Tools | Identify Common Patent Family

		Pater	Patent Family					
Database	Common Family	Patent	Kind	Date				
Derwent World Patents Index	US 2014356956	US20140356959	A1	20141204				
Derwent World	US 2014356956	US20140356956	A1	20141204				
Patents Index		1102014101000	A2	20141211				
		WO2014197568	A3	20150312				
		CA2914638	A1	20141211				
FAMPAT	US 2014356956	⊌ 9 2014356956	A1	2014-12-04				
		03 2014356959	A1	2014-12-04				
		00 9207 133	B2	2016-02-23				
GQPAT Gold+ Proteins	US 2014356956	US20140356959		20141204				
GQPAT Gold+ Proteins	US 2014356956	US20140356956		20141204				
PatBase	US 2014356956	US 2014356959	Α	2014-12-04				
		US 2014356956	Α	2014-12-04				
		AU 2014274939	AA	2014-12-11				
		WO 14197568	A2	2014-12-11				
		WO 14197568	A3	2015-03-12				
		CA 2914638	AA	2015-12-04				
		KR 20160014036	Α	2016-02-05				

Use Case: Orbit + PatBase

	Title	Database	Row Status	Pate	nt Fami	ly	New Publications	
	Tide	Database	Now Status	Patent	Kind	Date	New Publications	
5	Fermented fruit solutions for 💚	FAMPAT	Unchanged 💜	WO 201540442	A1	2015-03-26		
.1	cleaning compositions			WO 201540506	A1	2015-03-26		
				WO 201540444	A1	2015-03-26		
5	SOFTENING COMPOSITIONS	PatBase		WO 15040506	A1	2015-03-26	WO 2015040506 A1	##
.2	INCLUDING FERMENTED FRUIT			WO 15040445	A1	2015-03-26	WO 2015040445 A1 WO 2015040444 A1	
	SOLUTIONS AND METHODS FOR			WO 15040444	A1	2015-03-26		
	MAKING AND USING THE SAME			WO 15040442	A1	2015-03-26	WO 2015040442 A1	
6 .1	Processed edible product comprising a polyelectrolyte complex and an antimicrobial compound	FAMPAT	Unchanged 🎺	WO 201534360	A1	2015-03-12		
6 .2	PROCESSED EDIBLE PRODUCT COMPRISING A POLYELECTROLYTE COMPLEX AND AN ANTIMICROBIAL COMPOUND	PatBase	Added	WO 15034360	A1	2015-03-12	WO 2015034360 A1	##

Selection View in Reference Rows

Use Case: Orbit + PatBase

	Title	Database	Row Status	Pate	ent Far	nily	New	
	mac	Dutabase	Now Status	Patent	Kind	Date	Publications	
5.	Fermented fruit solutions for cleaning compositions	5.1 FAMPAT link 5.2 Patbase link	Updated	WO 15040506 WO 15040445 WO 15040444 WO 15040442	A1 A1 A1	2015-03-26 2015-03-26 2015-03-26 2015-03-26	WO 2015040445 A1	
	5.1 FAMPAT					5.2 Patbase		
6.	Processed edible product comprising a polyelectrolyte complex and an antimicrobial compound	6.1 FAMPAT link 6.2 Patbase link	Updated	WO 201534360	A1	2015-03-12		
	6.1 FAMPAT					6.1 FAMPAT	6.1 FAMPAT	

Collaped View in Reference Rows

Use Case: Derwent Innovation

- Each record represents a publication
- Publications might include related Derwent family data
- As new publications are published, your search results might include new publications from families you've already seen

Use Case: Derwent Innovation

 Row status rolls up individual publication status to a family level

Agricultural product use for e.g. controlling plant disease and treating fundiseases caused by funguise as Fusarium semitectum comprises polyene antifungal	Common	Common Row		Row Status	Row Status Summary				
for e.g. controlling plant disease and treating fun- diseases caused by fung such as Fusarium semitectum comprises	Family	Status	Database	Basic Patent Number	Row Status				
compound and antifunga compound from family o strobilurin fungicides	gal ji al	Updated	1.1 DWPI link 1.2 Innov link 1.3 Innov link 1.4 Innov link 1.5 Innov link	WO 2012117049 A1 US 9034792 B2 EP 2680698 B1 EP 2680698 A1 WO 2012117049 A1	Unchanged Updated Updated Updated Updated	1.1 1.2 1.3 1.4 1.5			
1.1 DV	VPI								
2. Treating/preventing	US	Updated	2.1 DWPI link	US 20140199281 A1	Unchanged	2.1			
occurrence/recurrence of Clostridium difficile	f 20140147425		2.2 DWPI link	US 20140147425 A1	Updated	2.2			
infection by administering			2.3 DWPI link	US 20150190435 A1	Added	2.3			
composition comprising purified bacterial	two		2.4 Innov link	US 9028841 B2	Updated	2.4			
populations comprising			2.5 Innov link	US 8906668 B2	Updated	2.5			
bacteria having 16 S ribosomal RNA sequenc	e		2.6 Innov link	US 20140147425 A1	Updated	2.6			
identical to reference bacterium			2.7 Innov link	US 9533014 B2	Added	2.7			

Use Case: Derwent Innovation

 New Publications limited to publications not previously listed in a record for that family

	Title	Common Family Row Status	Database	Pate	New Publications			
	Hue	Common Family	Now Status	Database	Patent	Kind	Date	New Fublications
1.	Agricultural product used for e.g. controlling plant disease and treating fungal diseases caused by fungi such as Fusarium semitectum comprises polyene antifungal compound and antifungal compound from family of strobilurin fungicides	EP 2680698	Updated	1.1 DWPI link 1.2 Innov link 1.3 Innov link 1.4 Innov link 1.5 Innov link	WO 2012117049 US 20130324402 EP 2680698 CN 103402360 EP 2680698 US 9034792	_	2012-09-07 2013-12-05 2014-01-08 2013-11-20 2015-01-28 2015-05-19	
	1.1 DWPI	.:					1.1 DWPI	
2.	Treating/preventing occurrence/recurrence of Clostridium difficile infection by administering composition comprising two purified bacterial populations comprising bacteria having 16S ribosomal RNA sequence identical to reference bacterium	US 20140147425	Updated	2.1 DWPI link 2.2 DWPI link 2.3 DWPI link 2.4 Innov link 2.5 Innov link 2.6 Innov link 2.7 Innov link	US 9028841 AU 2013347805 CA 2892297 CN 104955466 EP 2953472 EP 2953472 HK 1218836 IL 238973 JP 2015537042 KR 2015108357 MX 2015006491	B2 A1 A1 A A1 A4 A1 D0 A A	2015-05-12 2015-07-09 2014-05-30 2015-09-30 2015-12-16 2017-03-01 2017-03-17 2015-07-30 2015-12-24 2015-09-25 2015-12-03	CA 2892297 A1 AU 2013347805 A1 SG 11201503966 A1 CN 104955466 A EP 2953472 A1 KR 2015108357 A JP 2015537042 A MX 2015006491 A IN 201503613 NZ 709392 A EP 2953472 A4 HK 1218836 A0 US 2015190435 A1 US 9533014 B2 HK 1218836 A1
					NZ 709392 RU 2015124366 SG 11201503966 US 20140147425 US 20140199281 US 20150190435 US 8906668 US 9533014	A A1 A1 A1 A1 B2 B2	2016-10-28 2017-01-10 2015-06-29 2014-05-29 2014-07-17 2015-07-09 2014-12-09 2017-01-03	IL 238973 RU 2015124366 A

Summary Record export in Word

3. Basic Patent Number: WO2012033858A2

Title: Boron-containing small molecules

Inventor(s): Hernandez, Vincent S.; Ding, Charles; Plattner, Jacob J.; Alley, Michael Richard Kevin;

Rock, Fernando; Zhang, Suoming; Easom, Eric; Li, Xianfeng; Zhou, Ding

Patent Assignee: Anacor Pharmaceuticals, Inc., USA

Hyperlinks: Source WO2012033858A2

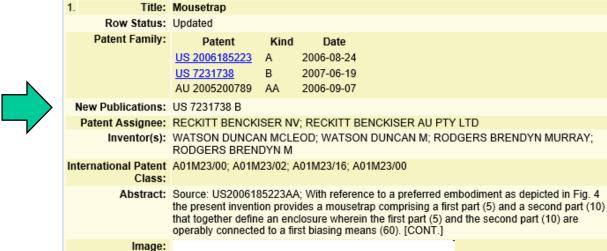


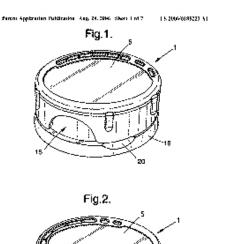
- Fields are the columns in chart
- Content, like hyperlinks, is included in the Summary Record

THE JOURNEY BEGINS...

Summary Record export with Hit Structures

Updated Mousetraps

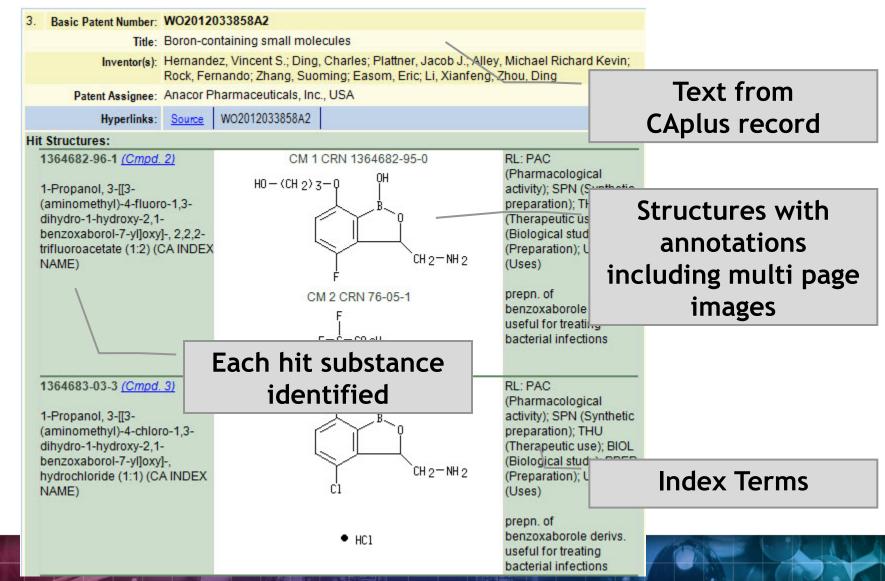






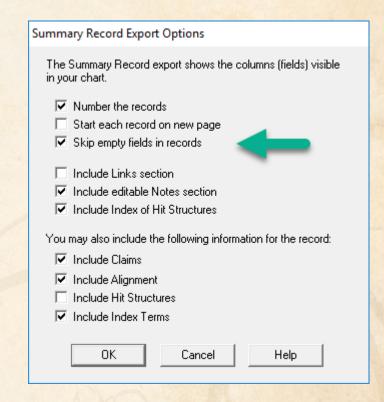


Summary Record export with Hit Structures



New Hit Structure Options

- New summary records option to skip empty fields in records
- Default: skip
- Great for mixed patent and non-patent results (e.g. Patent Family won't show up as a blank field in a journal reference)



New Hit Structure Options

- Options | Hit Structure Style
- Only one option at the moment: include the Chemical Name

Index of Hit Structures

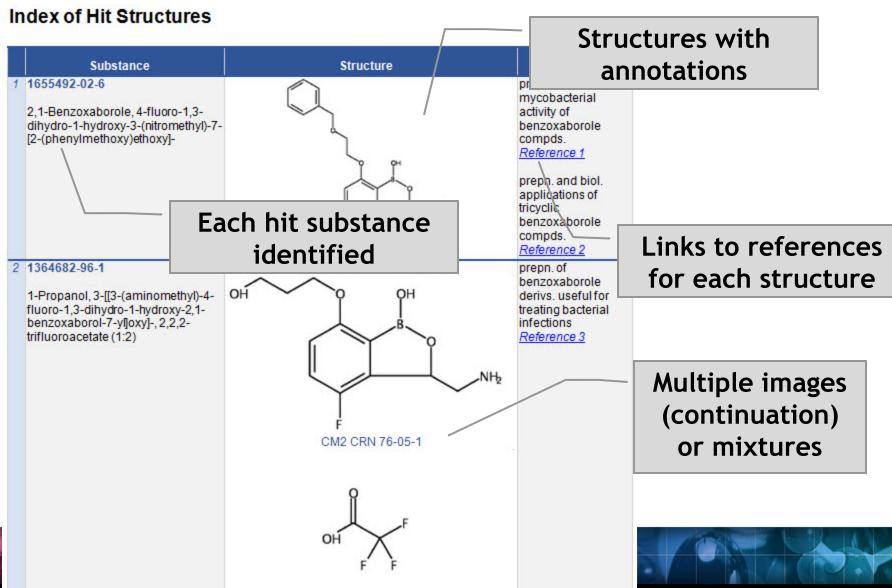
	Substance	Structure	Reference
1	1655492-02-6 2,1-Benzoxaborole, 4-fluoro-1,3-dihydro-1-hydroxy-3-(nitromethyl)-7-[2- (phenylmethoxy)ethoxy]- (CA INDEX NAME)	Ph-CH ₂ -0-CH ₂ -CH ₂ -0 OH B O CH ₂ -NO ₂	prepn. and anti- mycobacterial activity of benzoxaborole compds. Reference 1 prepn. and biol. applications of tricyclic benzoxaborole compds. Reference 2
2	1364682-96-1	CM 1 CRN 1364682-95-0	prepn. of benzoxaborole
	1-Propanol, 3-[[3-(aminomethyl)-4- fluoro-1,3-dihydro-1-hydroxy-2,1- benzoxaborol-7-yl]oxy]-, 2,2,2- trifluoroacetate (1:2) (CA INDEX NAME)	H0 - (CH ₂) ₃ -0 OH B O CH ₂ -NH ₂	derivs. useful for treating bacterial infections Reference 3



Hit Structures

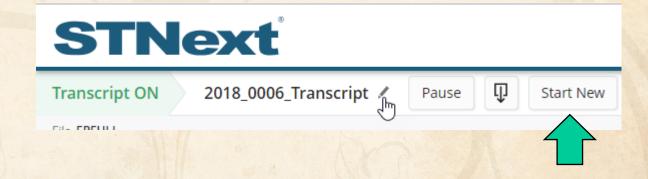
Visit bizint.com/hitstr

A structure oriented "Index of Hit Structures"



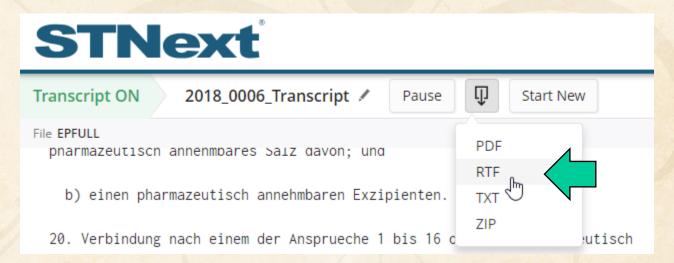
Importing transcripts with hit structures (STNext)

- Make sure that Classic Display is on
- Start new transcript before displaying.



Importing transcripts with hit structures (STNext)

- Make sure that Classic Display is on
- Start new transcript before displaying.
- Display your results including HITSTR.
- Save as RTF.



BIB vs. IBIB

- We recommend using tagged (BIB), rather than indented (IBIB), display formats
- Some field contents (table headings) appear before the label in IBIB
- Indent levels in RTF are more reliably detected in BIB
- BizInt Smart Charts supports IBIB for family databases on STN, but not full text files

Integrating data from separate records

Reference Rows is a utility to combine multiple records from the same family into one "row" Records grouped by "Common Family" Matching publication numbers in the family

Create reports integrating key IP data...

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

	Title	Database	Pate	nt Famil	у		Fami	ily Status		Probable Assignee		Sequence Locations			
	nue	Database Database	Patent	Kind	Date	Pub No.	State	Status	Expiry	Frobable Assignee	Seq. ID Number	% Identity	Length	Location	
1.	Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	1.1 DWPI 1.2 DWPI 1.3 GPATPRT link 1.4 GPATPRT link 1.5 Patbase link 1.6 FAMPAT link	US 2014356959 US 2014366956 AU 2014274939 WO 14197568 WO 14197568 CA 2914638 KR 20160014036	A AA A2 A3 AA	2014-12-11 2015-03-12 2015-12-04	US 20140356956 A1 US 9267135 B2			2034-06-04 2034-06-04	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	US20140356959-0001 US20140356956-0001	100.00	1368	probable disclosure (not found by automated parsing) probable disclosure (not found by automated parsing)	1.3
	1.1 DWPI				1.5 Patbase				1.6 FAMPAT	1.5 Patbase					
2.	New bacteriophage comprises polynucleotide expressing RNA-directed DNA-binding polypeptide comprising nuclease module, and targeting module comprising guide RNA, for restricting growth of host cell, and for preparing antiseptic composition	2.1 DWPI 2.2 DWPI 2.3 GPATPRT link 2.4 GPATPRT link 2.5 Patbase link 2.6 FAMPAT link	WO 15070193 US 2015132263 US 2015353901	Α	2015-05-14 2015-05-14 2015-12-10	WO 201570193 A1 US 20150132263 A1 US 20150353901 A1	ALIVE	PENDING	2034-11-11 2034-11-11 2034-11-11	RADIANT GENOMICS INC	US20150132263-0002 US20150353901-0002	100.00	1368 1368	claim: 19; 20 claim: 19; 20	2.3

2.1 DWPI

choosing content by rules...

	Title	Database	Pate	Patent Family				
	nue	Database	Patent	Kind	Date			
1.	Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	1.1 DWPI 1.2 DWPI 1.3 GPATPRT link 1.4 GPATPRT link 1.5 Patbase link 1.6 FAMPAT link	US 2014356959 US 2014356956 AU 2014274939 WO 14197568 WO 14197568 CA 2914638 KR 20160014036	A A AA A2 A3 AA A	2014-12-04 2014-12-04 2014-12-11 2014-12-11 2015-03-12 2015-12-04 2016-02-05			
	1.1 DWPI				1.5 Patbas			
2.	New bact cophage comprising RNA-directed DNA-binding polypeptide comprising nuclease module, and targeting module comprising guide RNA, for restricting growth of host cell, and for preparing antiseptic composition	2.1 DWPI 2.2 DWPI 2.3 GPATPRT link 2.4 GPATPRT link 2.5 Patbase link 2.6 FAMPAT link	WO 15070193 US 2015132263 US 2015353901	A1	2015-05-14 2015-05-14 2015-12-10			
	2.1 DWPI				2.5 Patbas			

linking unique content...

	Fami	Probable Assignee		
Pub No.	State	Status	Expiry	Probable Assignee
US 20140356956 A1		PENDING	2034-06-04	PRESIDENT AND FELLOWS OF HARVARD
US 9267135 B2	ALIVE	GRANTED	2034-06-04	COLLEGE
			1.6 FAMPAT	1.5 Patbase
WO 201570193	AL	PENDING	2034-11-11	RADIAN NOMICS INC
A1 US 20150132263 A1	ALI	PENDING	2034-11-11	
US 20150353901 A1		PENDING	2034-11-11	
			2.6 FAMPAT	2.5 Patbase

...and summarizing data elements.

Sequence Locations										
Seq. ID Number	% Identity	Length	Location							
US20140356959-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.3						
US20140356956-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.4						
US20150132263-0002	100.00	-8	claim: 19; 20	2.3						
US20150353901-0002	100.00	68	claim: 19; 20	2.4						

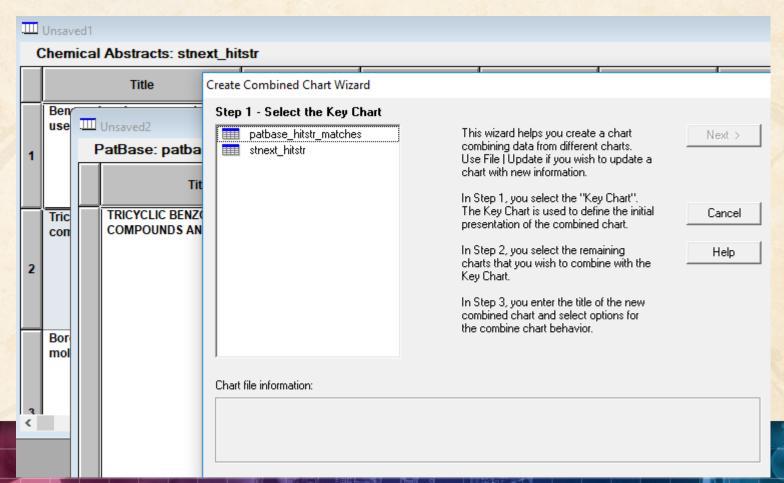
Hit structures in Reference Rows

Reference Rows is a utility to combine multiple records from the same family into one "row" Records grouped by "Common Family" Matching publication numbers in the family Uses:

Add claims from other sources

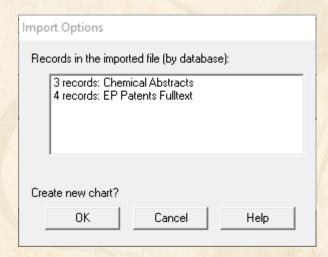
Add claims from other sources

Combine results from two or more databases



Add claims from other sources

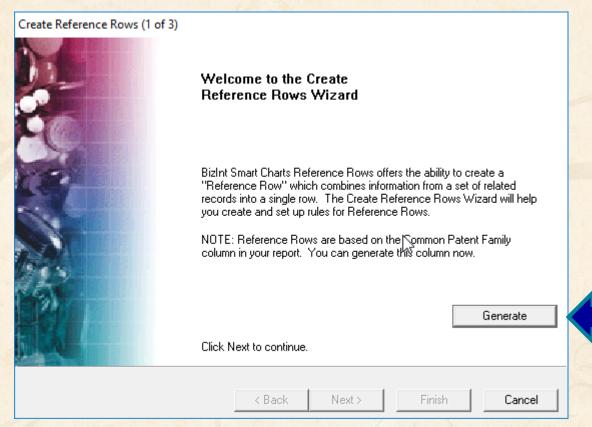
Or import a multi-file transcript file epfull transfer pn 12 1-...



Save your chart...

Add claims from other sources

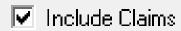
Send to Reference Rows



Option: Claims + Hit Structures



You may also include the following information for the record:



10. An in vitro method of:

- (A) inhibiting an enzyme, comprising: contacting the enzyme with the compound of any of claims 1 to 5, thereby inhibiting the enzyme;
- (B) killing and/or preventing the growth of a microorganism, comprising: contacting the microorganism with an effective amount of the compound of any of claims 1 to 5, thereby killing and/or preventing the growth of the microorganism; or
- (C) inhibiting the editing domain of a t-RNA synthetase, comprising: contacting the synthetase with an effective amount of a compound of any of claims 1 to 5, or a pharmaceutically-acceptable salt thereof, thereby inhibiting the synthetase.

Hit Structures:

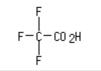
1364682-96-1 (Cmpd. 2)

1-Propanol, 3-[[3-(aminomethyl)-4-fluoro-1,3dihydro-1-hydroxy-2,1benzoxaborol-7-yl]oxy]-, 2,2,2trifluoroacetate (1:2) (CA INDEX NAME) CM 1 CRN 1364682-95-0

CM 2 CRN 76-05-1

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

prepn. of benzoxaborole derivs. useful for treating bacterial infections



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1364683-03-3 (Cmpd. 3) RL: PAC

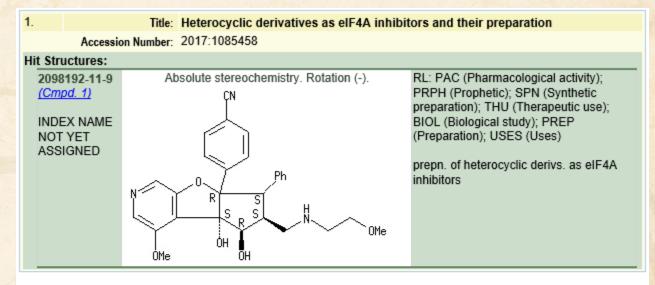
Hit structures in Reference Rows

Reference Rows is a utility to combine multiple records from the same family into one "row" Records grouped by "Common Family" Matching publication numbers in the family Uses:

- Add claims from other sources
- Link sequence results with hit structures
- Merge hit structures spread across multiple CAplus records ("mega-TAN" records)

Group Mega-TAN records

Multiple CA records for a single family...



2. Title: Heterocyclic derivatives as eIF4A inhibitors and their preparation

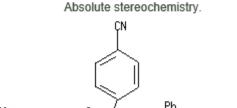
Accession Number: 2017:1085457

Hit Structures:

2099275-30-4 (Cmpd. 2)

INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.

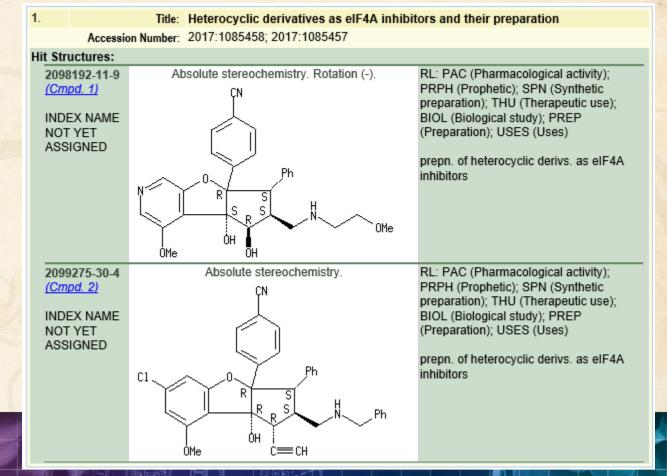


RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

prepn. of heterocyclic derivs. as eIF4A inhibitors

Group Mega-TAN records

Simply send to Reference Rows and export!

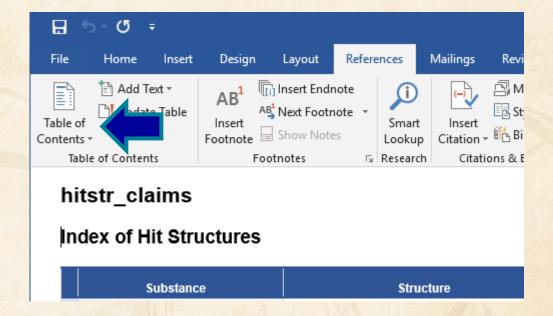


Future Directions with Hit Structures

- Options to control display
- Mark new structures in updated reports
- More sources (e.g. MARPAT, DWPIM)
- Handling of complex structures in REGISTRY
- More export formats
- Hit structures in the table

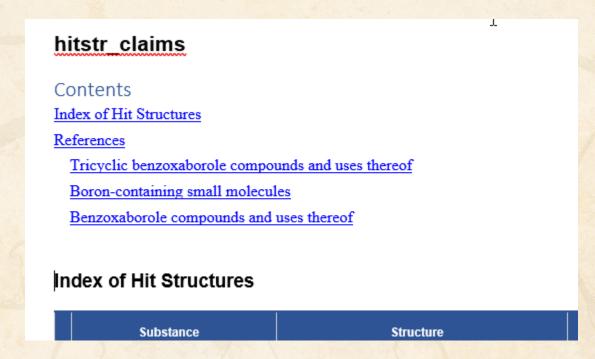
Summary Records - Table of Contents

Add a table of contents in Word



Summary Records - Table of Contents

- Sections are marked up for headings
- First column in chart is used as TOC entry



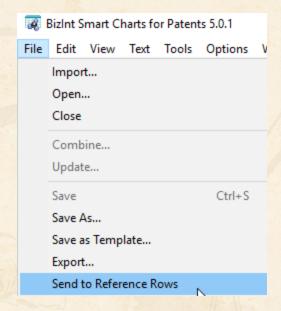
Summary Records - Table of Contents

 Can collapse the Index of Hit Structures (in recent versions of Word)

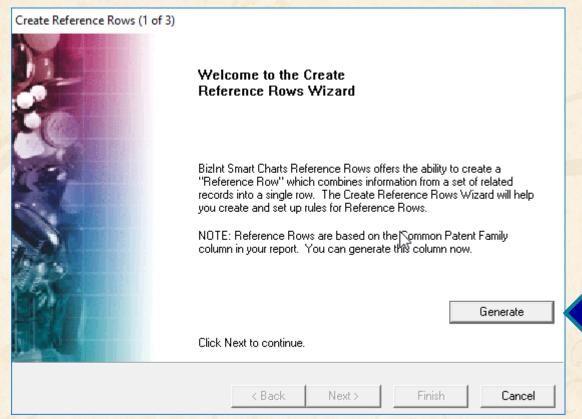
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References

1. Title: Tricyclic benzoxaborole compounds and uses thereof
Common Family: EP 3030519
Database: Chemical Abstracts
EP Patents Fulltext
Patent Family: Patent Kind Date
WO 2015021396 A2 20150212
WO 2015021396 A3 20151029
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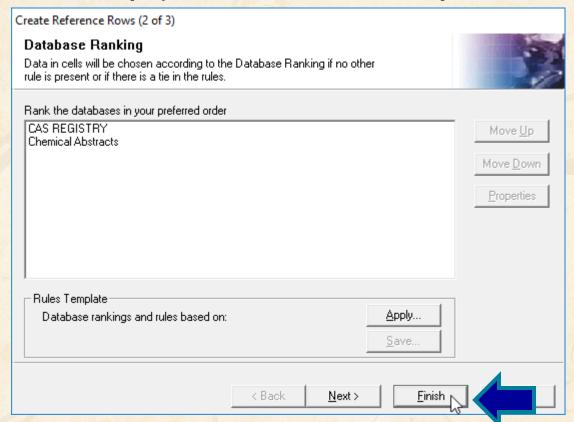
- Save chart in BizInt Smart Charts for Patents
- Send to Reference Rows



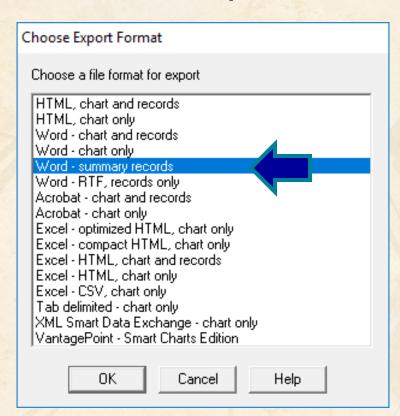
Generate Common Patent Family (if needed)



Simply "Finish" on step two



File | Export ... Word - summary records



Non-Patent Literature

- For a long time, Literature has been a second class citizen in BizInt Smart Charts
- New project to improve Literature support
- Identify citations to the same document
- "Deduplicate" and integrate unique content

Non-Patent Literature

Identify Common Document tool

	Title	Common Document ID	Database	Document Type	Source
1	Sample size requirements for one-year treatment effects using deep gray matter volume from 3T MRI in progressive forms of multiple sclerosis	PMID: 28100092	MEDLINE	Journal Article	The International journal of ruroscience (Nov 2017), vol. 127, no. 11, p. 971-980.
2	Sample size requirements for one-year treatment effects using deep gray matter volume from 3T MRI in progressive forms of multiple sclerosis	PMID: 28100092	EMBASE	Article	International Journal of Neuroscience (Nov 2, 2017), vol. 127, no. 11, p. 971-980.
3	Patient selection for trials	BDOI:WOLINSKY-JERRY S 10.1177/13524585177 29458 1636	MEDLINE	Journal Article	Multiple sclerosis (Houndmills, Basingstoke, England) (Oct 2017), vol. 23, no. 12, p. 1636-1641.
4	Patient selection for trials	BDOI:WOLINSKY-JERRY S 10.1177/13524585177 29458 1636	EMBASE	Article	Multiple Sclerosis Journal (2017), vol. 23, no. 12, p. 1636-1641.
5	Patient selection for trials	BDOI:WOLINSKY-JERRY S 10.1177/13524585177 29458 1636		Article	Multiple Sclerosis (Oct 1, 2017), vol. 23, no. 12, p. 1636-1641.
6	Patient selection for trials	BDOI:WOLINSKY-JERRY S 10.1177/13524585177 29458 1636	BIOSIS Previews	Literature Review	Multiple Sclerosis Journal (Oct 2017), vol. 23, no. 12, Sp. Iss. SI, p. 1636-1641.

Non-Patent Literature

- Identify Common Document tool
- Additional fields for analysis (year, first author, author/affiliation linkage)
- Additional databases on STN
- Additional databases on ProQuest Dialog
- Starting discussions for Web of Science, Scopus
- Literature support in all products

Identify Common Document ID

- Definitive identifiers (when available)
- DOI with qualifiers
- Blend of First Author, ISSN, Page, etc. when no common identifiers are available
- Currently working through issues identified during first tests

Best Practices

- Keep your transcripts!
- As we improve displays, some features may require re-importing transcripts.
- Common Document ID is a case where improved matching may depend on re-importing your transcript.

Ahead later this year...

- Revised exports (Excel, Word, etc)
- Reference Rows usability improvements
- Performance improvements
- CAS Biosequences (GQ & STN)
- Custom sort orders for patent families
- Update for legal status events



Thank you... Questions???