

Exploring the IP Universe: FTO "Whitespace", Surveillance, and Beyond

Matt Eberle, Lead Developer, Analytics & Custom Solutions
17 September 2023
15th Anniversary CEPIUG Conference

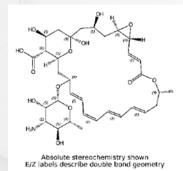


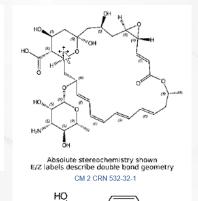
Finding the sun amongst the stars

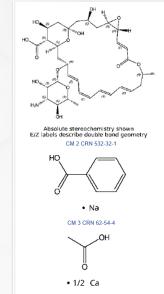
Use Case	Key BizInt Features
FTO Whitespace	Index of Hit Structures
Sequence Summary	Custom Subtable
Biologics Compliance	Identify Common Drug Name
FTO Classify by Key Concepts	Custom Thesaurus
Filter Patent Family by Authority	Find and Filter by Selected
Surveillance: Identify New Publications	Update and New Publications

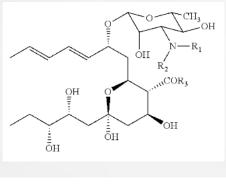
Focus on whitespace: Index of Hit Structures &

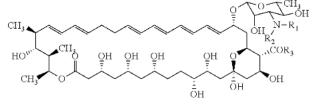
references count

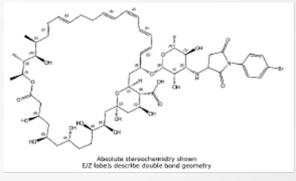


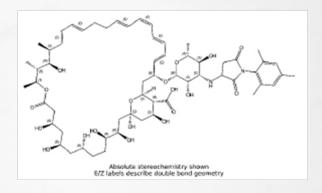


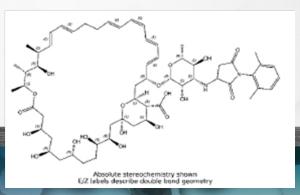




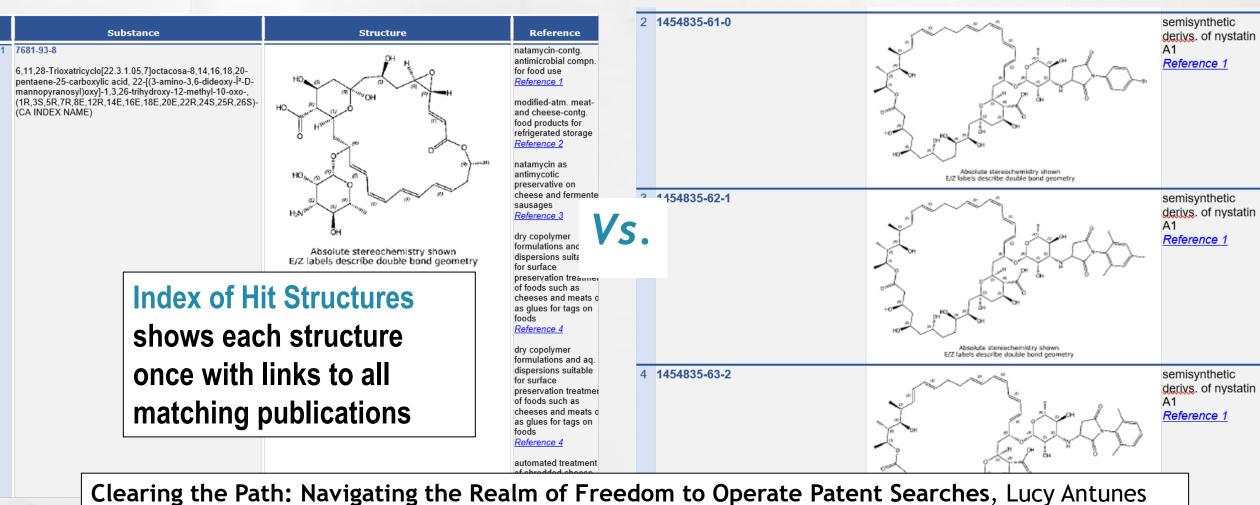






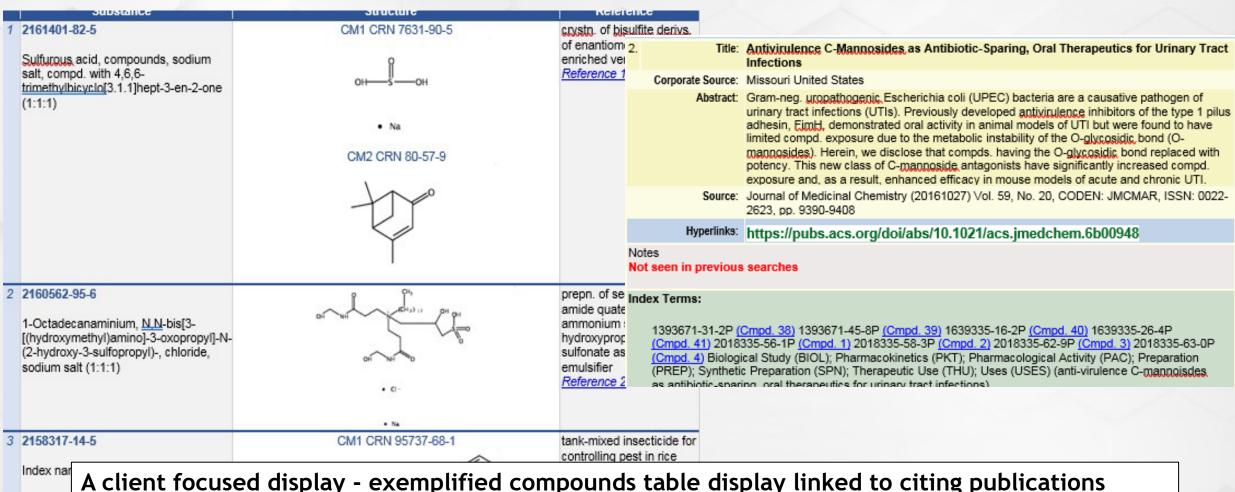


Structure-centric view with reference count (whitespace)



Clearing the Path: Navigating the Realm of Freedom to Operate Patent Searches, Lucy Antune and Britta Scheithauer, Fiz Karlsruhe, Tuesday afternoon at CEPIUG 15th Anniversary Conference!

Surveillance of Small Molecules: Index of Hit Structures



A client focused display - exemplified compounds table display linked to citing publications Maddy Marley, GSK, PIUG 2018 Annual Conference, Alexandria, VA, USA May 2018

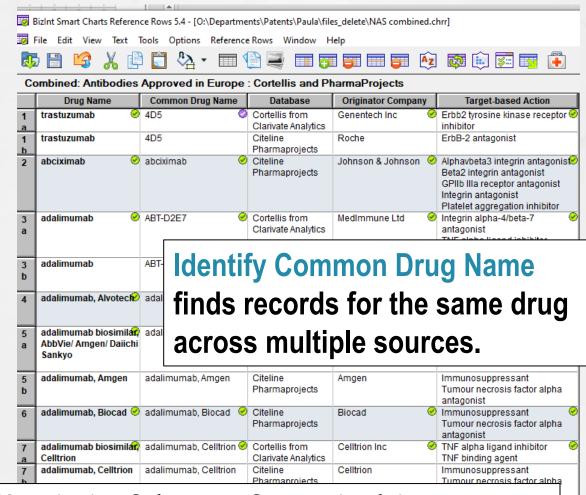
CM2 CRN 29547-00-0

Focus on Sequence Hits: Sequence Summary

	Title	Database Probable As		cianee	Sequence Summa	гу		
	Truc			signee	Sequence ID	% Identity	Length	Location
1	detecting agonists of the	1a Patbase link 1b GQP link	WISCONSIN RESEARCH		US6432692-0001	97.35	1929	probable disclosure (not found by automated parsing)
	aryi nydrocarbon receptor	1c GQP link	FOUNDATION		US6432692-0002	97.04	1929	probable disclosure (not found by automated parsing)
2	METHODS FOR THE	2a Patbase link 2b GQP link	GENENTECH	H INC	US20070224201- 0515	100.00	4199	claim: 15; 16
	DIAGNOSIS AND	2c GQP link			JP2006516089- 0515	100.00	4199	probable disclosure (not found by automated parsing)
	Custom Subtable shows detail from each record for a family,				CA2500687-0515	100.00	4199	claim: 1; 2; 3; 11; 12; 15; 16; 35; 36; 45; 46; 59; 76; 77; 92; 93; 97; 98; 101; 102; 105; 106; 109; 140
3	TUMOF the sequence hit details here.		F UNIV VANIA	US20090274619- 0042	100.00	4205	claim: 10; 19; 28; 36; 37; 45; 60	
		3c GQP link			US20090047216- 0042	100.00	4205	claim: 34; 37; 58; 68; 69
		3d GQP link			EP1987160-0042	100.00	4205	probable disclosure (not found by automated parsing)

Biologics Compliance - find sequences for approved drugs

- Searched Cortellis and PharmaProjects and exported results to the Bizint Smart Charts **Drug Development Suite**
- Combined and exported to Bizint Smart Charts Reference Rows to obtain a unique list

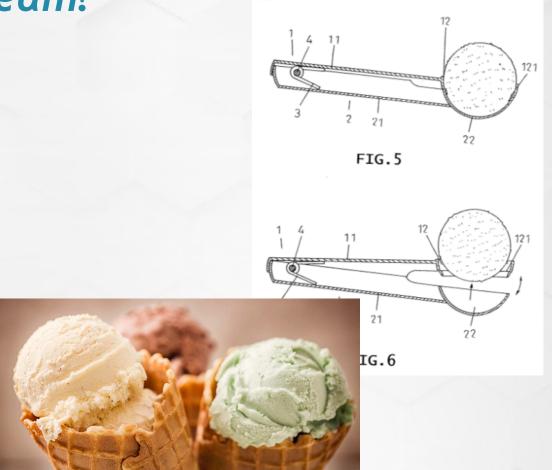


The Role of Patent Intelligence to Demonstrate New Active Substance Status: Applying our Skills to Answer Different Questions, Paula Juckes, UCB Pharma, Tuesday afternoon at CEPIUG 15th

Anniversary Conference! © 2025 DIZITIC SUCUCIONS, IIIC

Focus on FTO: Not just a vanilla search report or, What is so important about ice cream?

Ice cream invention category	star rating
Grants	
Ice cream preparations and recipes and formulations	8 stars
Production, ice cream makers, mixing and containers	7 stars
ice cream storing cabinets - freezing	6 stars
Dispensing ice creams and cones	5 stars
Pending	
Ice cream preparations and production	4 stars
Production, makers, mixing and containers	3 stars
ice cream storing cabinets - freezing	2 stars
Dispensing ice creams and cones	1 stars
not in force	0 stars



FTO: Classify by Component Concepts

	Classification	Title			Patent Assignee (s)	Patent Number		
1	Grant - Ice cream preparations and recipes and formulations	EXTRUDED PRODUCT POSITION CONTR	ROL OF ICE CRE	AM PRODUCTS	TETRA LAVAL HOLDINGS AND FINANCE	US 10499662 B		
2	Grant - Ice cream preparations and recipes and formulations	FUNCTIONAL ICE CREAM WITH LOW I FOR OBTAINING IT	Combined	Ice Cream In	ventions			
3	7. Grant - Production, ice cream makers, mixing and containers	STIRRING UNIT, MACHINE COMPRISIN METHOD FOR MAKING LIQUID OR SEI	Title:	PROCESS FOR				
4	Grant - Production, ice cream makers, mixing and containers	ICE CREAM MAKER FITTING FOR A ST KIT FOR A STAND MIXER AND STAND	Abstract:	STEFAN CEL MARE UNIV OF SUCEAVA Source: EP3944768 The invention is about a food product of a frozen dairy deswith the role of a functional food, due to it multiple health benefits Functional ice low fat content, according to the invention, is obtained only from natural ingredients.				
5	7. Grant - Production, ice cream makers, mixing and containers	MACHINE FOR THE PRODUCTION OF		the addition of sugar or functional ice cream wit ice cream mixture from	or food additives, by a special freezing process. The obtaining with low fat content, according to the invention, consists: obtain m whey cheese (urda), green walnut jam, walnut kernel oil, car			
6	7. Grant - Production, ice cream makers, mixing and containers	UNIT FOR RECEIVING AND TREATING BASIC PREPARATION FOR AN ICE CR		of the resulting mix, hon freezing, dosing in 100g	ch are mixed in a vat with stirrer and heating system, pasteu omogenization, cooling and maturation, partial frozen through Og corrugated cardboard boxes, hardened by freezing to a -2 mperature for 20 minutes and storage to minimum -18 degre			
7	6. Grant - ice cream storing	A COOLING DEVICE COMPRISING AN		centigrade		millimum - 10 degrees		
8	5. Grant - Dispensing ice creams and	ICE CREAM STICK INSERTION DEVICE	Family Status Expiry:		State Exp Date ALIVE 2040-08-10 ALIVE			
9	5. G Custom Thesau	EΔ	Selected Text:	From EP3944768B1 - Claims:				
10	0. 9	"stars" from notes made on patent search platforms and converts them		product are necessary t (urda?) from pasteurize	that, for 100 kg finished of 50 kg of whey cheese ount of 40 kg green walnut t kernel cold-pressed oil with			
11	to the matching	(R.	Hyperlinks:	100 percent lipids, an at Source RO 135425 A2	mount of 5 L lemon juice and an amou	int of 1 kg carrot fibers.		
12	4. Penuing - ice cream preparations and production	ICE CREAM				I		

Title: EXTRUDED PRODUCT POSITION CONTROL OF ICE CREAM PRODUCTS

Focus on Key Patent Authorities: Filter by authority

	Enhanced Title	Probable Assignee	Database	Patent Family Patent Kind	Date		
1	Combination of RNA encoding IL-2 or IL-7 and mRNA encoding a peptide or protein useful as in treating cancer.	BIONTECH RNA PHARMACEUTICALS GMBH	· '		2019-08-15 2020-08-06		
	doctar do in trouting carroer.		Enhanced Title	Probable Assignee	Database	Patent Family: Filtered	
		"	Combination of RNA encoding L-2 or IL-7 and mRNA encoding a peptide or protein useful as in reating cancer.	BIONTECH RNA PHARMACEUTICALS GMBH	1a CortPat link 1b Patbase link	Patent Kind US 20210113606 A1 WO 2019154985 A1	Date 2021-04-22 2019-08-15
		L F	COMPOSITIONS COMPRISING A COMBINATION OF AN ANTI- LAG-3 ANTIBODY, A PD-1 PATHWAY INHIBITOR, AND AN MMUNOTHERAPEUTIC		2 Patbase link	WO 2018222711 A2	2018-12-06
2	COMPOSITIONS COMPRISING A COMBINATION OF AN ANTI-LAG-3	PRISTOL WITERS SC	AGENT				
	ANTIBODY, A PD-1 PATHWAY INHIBITOR, AND AN		Novel anti-B7H3 a hat binds to B7H3	by Selected	CortPat link	US 10316093 B2	2019-06-11
	IMMUNOTHERAPEUTIC AGENT		reating cancer	s you to search	Patbase link	US 20170240637 A1 WO 2016033225 A2	2017-08-24 2016-03-03
		• () ()	METHODS AND COMPOSITIONS GENETICALLY EN VACCINES FOR TREATMENT AND PREVENTION OF	ilter by matchin s, such as just	Pathase link	WO 2019183117 A1	2019-09-26
			Messenger RNA sencoding an antige	EP, and US	CortPat link	US 10150797 B2	2018-12-11
3	Novel anti-B7H3 antibody agent that binds	ķ	aratain of roonirate	ments	Patbase link	US 20160168207 A1 US 20170218030 A1 US 20190144508 A1	2016-06-16 2017-08-03 2019-05-16
3	to B7H3 useful for treating cancer.	CANCER CENTER				US 9688729 B2 WO 2015024668 A2	2017-06-27 2015-02-26
				CA 2959356 A1 2	2016-03-03		

Publication Level Surveillance: Updates in Blue

	Enhanced Title	Database	Probable Assignee	Patent Family			Row Status
				<u>Patent</u>	Kind	Date	
1	Polypeptides derived from the	1a CortPat link	GLAXOSMITHKLINE	CA 2768186	A1	2011-01-20	Updated
	fusion protein of respiratory syncytial virus (RSV) and self-	1b Patbase link	PLC	WO 2011008974	A2	2011-01-20	
	replicating RNA molecules			WO 2011008974	A3	2011-04-28	
	encoding the polypeptides -			TW 201116294	Α	2011-05-16	
	useful for vaccination against			AR 077757	AA	2011-09-21	
	RSV infections.			US 2011305727	A1	2011-12-15	
				US 2012164176	A1	2012-06-28	
				US 2020172600	A1	2020-06-04	
				US 11261239	B2	2022-03-01	
				US 2022213177	A1	2022-07-07	
				US 2022340645	A1	2022-10-27	
				US 2022372115	A1	2022-11-24	
				US 11629181	B2	2023-04-18	
				US 11655284	B2	2023-05-23	
				SG 178026	A1	2012-03-29	
				EP 2453918	A2	2012-05-23	
				EP 2453918	B1	2015-12-16	
				EP 3178490	A2	2017-06-14	
				EP 3178490	A3	2017-08-30	
				EP 3178490	B1	2022-04-20	
				EP 3988115	A2	2022-04-27	
				EP 3988115	A3	2022-08-17	
				EP 4183412	A1	2023-05-24	
				EP 4218800	A1	2023-08-02	
				FP 4218799	Α1	2023-08-02	

Publication Level Surveillance: New Publications

	Publication	I Level	Jui veille	unce. I	146	w Pui	Difcati	UIIS
	Enhanced Title	Database	Probable Assignee	Patent Family Patent	Kind	Date	Row Status	New Publications
1	Polypeptides derived from the fusion protein of respiratory syncytial virus (RSV) and self-replicating RNA molecules encoding the polypeptides - useful for vaccination against RSV infections.	1a CortPat link 1b Patbase link	GLAXOSMITHKLINE PLC	CA 2768186 WO 2011008974 WO 2011008974 TW 201116294 AR 077757 US 2011305727 US 2012164176 US 2020172600 US 11261239 US 2022213177 US 2022340645 US 2022372115 US 11629181 US 11655284 SG 178026 EP 2453918 EP 2453918 EP 2453918 EP 3178490 EP 3178490 EP 3178490 EP 3988115		2011-01-20 2011-01-20 2011-04-28 2011-05-16 2011-09-21 2011-12-15 2012-06-28 2020-06-04 2022-03-01 2022-07-07 2022-10-27 2022-11-24 2023-04-18 2023-05-23 2012-03-29 2012-05-23 2015-12-16 2017-06-14 2017-08-30 2022-04-20 2022-04-27	chart t	CA 2768186 A1 US 11261239 B2 US 2022213177 A1 US 2022340645 A1 US 2022372115 A1 US 11629181 B2 US 11655284 B2 EP 3178490 B1 EP 3988115 A2 EP 3988115 A3 EP 4183412 A1 EP 4218800 A1 EP 4218799 A1 DE 602010068211 D1 ES 2918381 T3 TR 2022010502 T4 DK 3178490 T LT 3178490 T LT 3178490 T C a chart with a o see New Pul
				EP 3988115	А3	2022-08-17	new at	the family lev

EP 4183412

EP 4218800

EP 4218799

2023-05-24

2023-08-02 2023-08-02

Α1

Α1

a newer ublications lications are new at the family level.

Publication Level Surveillance: New Publications, filtered

	Enhanced Title	Database	Probable Assignee	Patent Family Patent	Kind	Date	Row Status	New Publications	New Publications: Filtered
1	Polypeptides derived from the	1a CortPat link	GLAXOSMITHKLINE	CA 2768186	A1	2011-01-20	Updated	CA 2768186 A1	EP 3178490 B1
	fusion protein of respiratory	1b Patbase link	PLC	WO 2011008974	A2	2011-01-20		US 11261239 B2	US 11261239 B2
	syncytial virus (RSV) and self- replicating RNA molecules			WO 2011008974	А3	2011-04-28		US 2022213177 A1 US 2022340645 A1	US 11629181 B2 US 11655284 B2
	encoding the polypeptides -			TW 201116294	Α	2011-05-16		US 2022372115 A1	00 1100020122
	useful for vaccination against			AR 077757	AA	2011-09-21		US 11629181 B2	
	RSV infections.			US 2011305727	A1	2011-12-15		US 11655284 B2 EP 3178490 B1	
				US 2012164176	A1	2012-06-28		EP 3988115 A2	
				US 2020172600	A1	2020-06-04		EP 3988115 A3	
				US 11261239	B2	2022-03-01		EP 4183412 A1	
				US 2022213177	A1	2022-07-07		EP 4218800 A1 EP 4218799 A1	
				US 2022340645	A1	2022-10-27		DE 602010068211 D1 ES 2918381 T3	
				US 2022372115	A1	2022-11-24			
				US 11629181	B2	2023-04-18		TR 2022010502 T4 DK 3178490 T3	
				US 11655284	B2	2023-05-23		PT 3178490 T	
				SG 178026	A1	2012-03-29		LT 3178490 T	
				EP 2453918	A2	2012-05-23			Eiltor by
				EP 2453918	B1	2015-12-16		Combine with	riiter by
				EP 3178490	A2	2017-06-14		Selected to see	e only new
				EP 3178490	A3	2017-08-30			•
				EP 3178490	B1	2022-04-20		"B" publication	ns
				EP 3988115	A2	2022-04-27			
				EP 3988115	A3	2022-08-17			
				EP 4183412	A1	2023-05-24			
				EP 4218800	A1	2023-08-02			
				EP 4218799	A1	2023-08-02			

Finding new frontiers in the IP Universe

Use Case	Key BizInt Features
FTO Whitespace	Index of Hit Structures
Sequence Summary	Custom Subtable
Biologics Compliance	Identify Common Drug Name
FTO Classify by Key Concepts	Custom Thesaurus
Filter Patent Family by Authority	Find and Filter by Selected
Surveillance: Identify New Publications	Update and New Publications

© 2023 BizInt Solutions, Inc | www.bizint.com



Want to learn more?

Come talk with us in the exhibit hall for the Welcome Ice Cream at 18:00 ...and throughout the conference.

More information at: bizint.com/IP

