

New Bizint display options for Orbit (Fampat)

49th British Patent
Information Professionals
(BPIP) Meeting

11 November 2020
Nick Cole

Situation: Until recently there were 2 family-related exports from Orbit to Bizint



Patent Family			Family Status			
Patent	Kind	Date	Pub No.	State	Status	Expiry
EP 2951159	B1	2018-08-22	WO 2014116849 A1	DEAD	LAPSED	2016-07-24
EP 2951159	A1	2015-12-09	EP 2951159 A1	ALIVE	GRANTED	2034-01-23
WO 2014116849	A1	2014-07-31	US 9643928 B2	ALIVE	GRANTED	2034-01-23
US 9643928	B2	2017-05-09	JP 2016505071 A	ALIVE	GRANTED	2034-01-23
US 20160002170	A1	2016-01-07	RU 2015134420 A	ALIVE	GRANTED	2034-01-23
JP 6437456	B2	2018-12-12	CA 2899024 A1	ALIVE	PENDING	2034-01-23
JP 2016505071	A	2016-02-18	SG 11201505748U A	ALIVE	PENDING	2034-01-23
RU 2666144	C2	2018-09-06	KR 20150129679 A	ALIVE	PENDING	2034-01-23
RU 2015134420	A	2017-03-03	HK 1217331 A1	ALIVE	GRANTED	2034-01-23
TW I685487	B	2020-02-21	AU 2014209319 A1	ALIVE	GRANTED	2034-01-23
TW 201444800	A	2014-12-01	CN 105452227 A	ALIVE	GRANTED	2034-01-23
AU 2014209319	B2	2018-04-19	MX 2015009617 A	ALIVE	GRANTED	2034-01-23
AU 2014209319	A1	2015-08-27	DK 2951159T T3	ALIVE	GRANTED	2034-01-23
IL 240066	B	2019-08-29	ES 2694297 T3	ALIVE	GRANTED	2034-01-23
IL 240066	A	2015-09-24	IL 240066 A	ALIVE	GRANTED	2034-01-23
CN 105452227B	B	2018-05-29	TW 201444800 A	ALIVE	GRANTED	2034-01-23
CN 105452227	A	2016-03-30				
MX 360048	B	2018-10-19				
MX 2015009617	A	2016-04-20				
HK 1217331	A1	2017-01-06				
DK 2951159T	T3	2018-11-19				
ES 2694297	T3	2018-12-19				
CA 2899024	A1	2014-07-31				
SG 11201505748U	A	2015-08-28				
KR 20150129679	A	2015-11-20				

- Data useful but needed to show the 2 tables side-by-side to convey all the info.
- Take up a lot of width on the page and there is little room left over for bibliographic data, abstracts, claims etc.
- Publication numbers are duplicated between tables.
- Rows from the 2 tables don't line up patent for patent – confusing!

Target: 1 table which combines the most useful aspects of the individual tables whilst eliminating the duplication



- We mocked-up a few ideas and discussed them internally
- These examples show just the granted versions of cases – “vertical brevity”!
- Eventually we did not feel comfortable “hiding” granted ‘A’s, T3s etc
- Including “Expiry” was favoured by some but not all, so made 2 versions

Suggested Export #1: "Orbit Family & Status"

Publication Number	Kind	Publication Date	State	Status
WO2014116849	A1	31/07/2014	DEAD	LAPSED
CA2899024	A1	31/07/2014	ALIVE	PENDING
SG11201505748U	A	28/08/2015	ALIVE	PENDING
KR20150129679	A	20/11/2015	ALIVE	PENDING
HK1217331	A1	06/01/2017	ALIVE	GRANTED
US9643928	B2	09/05/2017	ALIVE	GRANTED
AU2014209319	B2	19/04/2018	ALIVE	GRANTED
CN105452227B	B	29/05/2018	ALIVE	GRANTED
EP2951159	B1	22/08/2018	ALIVE	GRANTED
RU2666144	C2	06/09/2018	ALIVE	GRANTED
MX360048	B	19/10/2018	ALIVE	GRANTED
JP6437456	B2	12/12/2018	ALIVE	GRANTED
IL240066	B	29/08/2019	ALIVE	GRANTED
TW1685487	B	21/02/2020	ALIVE	GRANTED

Suggested Export #2: "Orbit Family, Status & Expiry"

Publication Number	Kind	Publication Date	State	Status	Expiry
WO2014116849	A1	31/07/2014	DEAD	LAPSED	24/07/2016
CA2899024	A1	31/07/2014	ALIVE	PENDING	23/01/2034
SG11201505748U	A	28/08/2015	ALIVE	PENDING	23/01/2034
KR20150129679	A	20/11/2015	ALIVE	PENDING	23/01/2034
HK1217331	A1	06/01/2017	ALIVE	GRANTED	23/01/2034
US9643928	B2	09/05/2017	ALIVE	GRANTED	23/01/2034
AU2014209319	B2	19/04/2018	ALIVE	GRANTED	23/01/2034
CN105452227B	B	29/05/2018	ALIVE	GRANTED	23/01/2034
EP2951159	B1	22/08/2018	ALIVE	GRANTED	23/01/2034
RU2666144	C2	06/09/2018	ALIVE	GRANTED	23/01/2034
MX360048	B	19/10/2018	ALIVE	GRANTED	23/01/2034
JP6437456	B2	12/12/2018	ALIVE	GRANTED	23/01/2034
IL240066	B	29/08/2019	ALIVE	GRANTED	23/01/2034
TW1685487	B	21/02/2020	ALIVE	GRANTED	23/01/2034

Actual Proposal: Sent to Bizint in April



We asked for the whole table, with gaps inserted to make docs line up

Publication Number	Kind	Publication Date	State	Status
WO2014116849	A1	31/07/2014	DEAD	LAPSED
CA2899024	A1	31/07/2014	ALIVE	PENDING
TW 201444800	A1	01/12/2014		
AU 2014209319	A1	27/08/2015		
SG11201505748U	A	28/08/2015	ALIVE	PENDING
IL 240066	A	24/09/2015		
KR20150129679	A	20/11/2015	ALIVE	PENDING
EP2951159	A1	09/12/2015		
US20160002170	A1	07/01/2016		
JP 2016505071	A	18/02/2016		
CN 105452227	A	30/03/2016		
MX 2015009617	A	20/04/2016		
HK1217331	A1	06/01/2017	ALIVE	GRANTED
RU 2015134420	A1	03/03/2017		
US9643928	B2	09/05/2017	ALIVE	GRANTED
AU2014209319	B2	19/04/2018	ALIVE	GRANTED
CN105452227B	B	29/05/2018	ALIVE	GRANTED
EP2951159	B1	22/08/2018	ALIVE	GRANTED
RU2666144	C2	06/09/2018	ALIVE	GRANTED
MX360048	B	19/10/2018	ALIVE	GRANTED
DK 2951159T	T3	19/11/2018		
ES 2694297	T3	19/12/2018		
JP6437456	B2	12/12/2018	ALIVE	GRANTED
IL240066	B	29/08/2019	ALIVE	GRANTED
TW1685487	B	21/02/2020	ALIVE	GRANTED

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CA2899024	A1	31/07/2014	ALIVE	PENDING	23/01/2034
TW 201444800	A1	01/12/2014			
AU 2014209319	A1	27/08/2015			
SG11201505748U	A	28/08/2015	ALIVE	PENDING	23/01/2034
IL 240066	A	24/09/2015			
KR20150129679	A	20/11/2015	ALIVE	PENDING	23/01/2034
EP2951159	A1	09/12/2015			
US20160002170	A1	07/01/2016			
JP 2016505071	A	18/02/2016			
CN 105452227	A	30/03/2016			
MX 2015009617	A	20/04/2016			
HK1217331	A1	06/01/2017	ALIVE	GRANTED	23/01/2034
RU 2015134420	A1	03/03/2017			
US9643928	B2	09/05/2017	ALIVE	GRANTED	23/01/2034
AU2014209319	B2	19/04/2018	ALIVE	GRANTED	23/01/2034
CN105452227B	B	29/05/2018	ALIVE	GRANTED	23/01/2034
EP2951159	B1	22/08/2018	ALIVE	GRANTED	23/01/2034
RU2666144	C2	06/09/2018	ALIVE	GRANTED	23/01/2034
MX360048	B	19/10/2018	ALIVE	GRANTED	23/01/2034
DK 2951159T	T3	19/11/2018			
ES 2694297	T3	19/12/2018			
JP6437456	B2	12/12/2018	ALIVE	GRANTED	23/01/2034
IL240066	B	29/08/2019	ALIVE	GRANTED	23/01/2034
TW1685487	B	21/02/2020	ALIVE	GRANTED	23/01/2034

Result: BizInt Smart Charts for Patents version 5.4



This was duly done ... thank you!

Announcing Version 5.4 (2020-08-27)

Posted: 30 Aug 2020 08:20 PM PDT

We are proud to announce the release of BizInt Smart Charts for Patents version 5.4. This release includes several changes requested by users, as well as a number of features and fixes introduced over the last nine months.

Patent Databases

- Support for Integrity patents on the **Cortellis Drug Discovery Intelligence platform**.
- Support for DEFULL on STN.
- **Orbit**: Created two new columns in FAMPAT, FTO Family and FTO Family with Expiry, combining the Patent Family and the Family Status columns. There is a new FTO Patent Template for FAMPAT charts.
- PatBase: Improvements to publication level data - better handling of Title and Abstract, capturing Patent Date, and more reliable extraction of all documents within a family.
- PatBase: All WO publications 2004 and later now display with 4-digit years. PatBase imports now observe the option settings for patent number format.
- STN: Several improvements to structure extraction, resulting in more complete hit structure reports.

Result: BizInt Smart Charts for Patents version 5.4



Screenshot of the new outputs

FTO Family				FTO Family with Expiry					
Pub No.	Kind	Pub Date	Status	Pub No.	Kind	Pub Date	State	Status	Est Expiry
W O2014116849	A1	2014-07-31		W O2014116849	A1	2014-07-31			
EP 2951159	B1	2018-08-22		EP 2951159	B1	2018-08-22			
EP 2951159	A1	2015-12-09	GRANTED	EP 2951159	A1	2015-12-09	ALIVE	GRANTED	2034-01-23
US 9643928	B2	2017-05-09	GRANTED	US 9643928	B2	2017-05-09	ALIVE	GRANTED	2034-01-23
US 20160002170	A1	2016-01-07		US 20160002170	A1	2016-01-07			
JP 6437456	B2	2018-12-12		JP 6437456	B2	2018-12-12			
JP 2016505071	A	2016-02-18	GRANTED	JP 2016505071	A	2016-02-18	ALIVE	GRANTED	2034-01-23
RU 2666144	C2	2018-09-06		RU 2666144	C2	2018-09-06			
RU 2015134420	A	2017-03-03	GRANTED	RU 2015134420	A	2017-03-03	ALIVE	GRANTED	2034-01-23
TW I685487	B	2020-02-21		TW I685487	B	2020-02-21			
TW 201444800	A	2014-12-01	GRANTED	TW 201444800	A	2014-12-01	ALIVE	GRANTED	2034-01-23
AU 2014209319	B2	2018-04-19		AU 2014209319	B2	2018-04-19			
AU 2014209319	A1	2015-08-27	GRANTED	AU 2014209319	A1	2015-08-27	ALIVE	GRANTED	2034-01-23
IL 240066	B	2019-08-29		IL 240066	B	2019-08-29			
IL 240066	A	2015-09-24	GRANTED	IL 240066	A	2015-09-24	ALIVE	GRANTED	2034-01-23
CN 105452227B	B	2018-05-29		CN 105452227B	B	2018-05-29			
CN 105452227	A	2016-03-30	GRANTED	CN 105452227	A	2016-03-30	ALIVE	GRANTED	2034-01-23
MX 360048	B	2018-10-19		MX 360048	B	2018-10-19			
MX 2015009617	A	2016-04-20	GRANTED	MX 2015009617	A	2016-04-20	ALIVE	GRANTED	2034-01-23
HK 1217331	A1	2017-01-06	GRANTED	HK 1217331	A1	2017-01-06	ALIVE	GRANTED	2034-01-23
DK 2951159T	T3	2018-11-19	GRANTED	DK 2951159T	T3	2018-11-19	ALIVE	GRANTED	2034-01-23
ES 2694297	T3	2018-12-19	GRANTED	ES 2694297	T3	2018-12-19	ALIVE	GRANTED	2034-01-23
CA2899024	A1	2014-07-31	PENDING	CA2899024	A1	2014-07-31	ALIVE	PENDING	2034-01-23
SG 11201505748U	A	2015-08-28	PENDING	SG 11201505748U	A	2015-08-28	ALIVE	PENDING	2034-01-23
KR 20150129679	A	2015-11-20	PENDING	KR 20150129679	A	2015-11-20	ALIVE	PENDING	2034-01-23

Result: BizInt Smart Charts for Patents version 5.4



Another Orbit family (partial) – more “Status” types, “State” can be inferred

FTO Family				FTO Family with Expiry					
Pub No.	Kind	Pub Date	Status	Pub No.	Kind	Pub Date	State	Status	Est Expiry
WO 200628958	A2	2006-03-16	LAPSED	WO 200628958	A2	2006-03-16	DEAD	LAPSED	2008-03-02
WO 200628958	A3	2006-04-13		WO 200628958	A3	2006-04-13			
EP 1789390	B1	2011-11-09		EP 1789390	B1	2011-11-09			
EP 1789390	A2	2007-05-30	GRANTED	EP 1789390	A2	2007-05-30	ALIVE	GRANTED	2025-09-02
US 7888364	B2	2011-02-15	GRANTED	US 7888364	B2	2011-02-15	ALIVE	GRANTED	2028-11-11
US 20060063779	A1	2006-03-23		US 20060063779	A1	2006-03-23			
US 9278961	B2	2016-03-08	GRANTED	US 9278961	B2	2016-03-08	ALIVE	GRANTED	2028-12-15
US 20110092461	A1	2011-04-21		US 20110092461	A1	2011-04-21			
US 9321761	B2	2016-04-26	GRANTED	US 9321761	B2	2016-04-26	ALIVE	GRANTED	2025-09-02
US 20150105550	A1	2015-04-16		US 20150105550	A1	2015-04-16			
US 9790183	B2	2017-10-17	GRANTED	US 9790183	B2	2017-10-17	ALIVE	GRANTED	2025-09-02
US 20160152569	A1	2016-06-02		US 20160152569	A1	2016-06-02			
US 20180029984	A1	2018-02-01	LAPSED	US 20180029984	A1	2018-02-01	DEAD	LAPSED	2019-09-25
US 20200010420	A1	2020-01-09	PENDING	US 20200010420	A1	2020-01-09	ALIVE	PENDING	2025-09-02
JP 5143558	B2	2012-11-30		JP 5143558	B2	2012-11-30			
JP 2008511675	A	2008-04-17	GRANTED	JP 2008511675	A	2008-04-17	ALIVE	GRANTED	2025-09-02
JP 2012184255	A	2012-09-27	REVOKED	JP 2012184255	A	2012-09-27	DEAD	REVOKED	2014-08-05
JP 2014148537	A	2014-08-21	REVOKED	JP 2014148537	A	2014-08-21	DEAD	REVOKED	2015-10-20

Result: BizInt Smart Charts for Patents version 5.4



What about PatBase? – currently no option for “Status”, only “State”. Further work?

Patent Family			Family Status		Family Status Expiry		
Patent	Kind	Date	Pub No.	State	Pub No.	State	Exp Date
WO 2006028958	A2	2006-03-16	WO 2006028958 A2	DEAD	WO 2006028958 A2	DEAD	
WO 2006028958	A3	2006-04-13	WO 2006028958 A3	DEAD	WO 2006028958 A3	DEAD	
AU 2005282722	AA	2006-03-16	AU 2005282722 AA	ALIVE	AU 2005282722 AA	ALIVE	
AU 2005282722	BB	2011-03-03	AU 2005282722 BB	ALIVE	AU 2005282722 BB	ALIVE	2028-05-09
AU 2011201229	AA	2011-04-14	AU 2011201229 AA	DEAD	AU 2011201229 AA	DEAD	
AU 2005282722	CA	2011-08-18	AU 2005282722 CA	ALIVE	AU 2005282722 CA	ALIVE	
AU 2013219216	AA	2013-09-12	AU 2013219216 AA	DEAD	AU 2013219216 AA	DEAD	
AU 2016203958	AA	2016-07-07	AU 2016203958 AA	DEAD	AU 2016203958 AA	DEAD	
AU 2017261491	AA	2017-11-30	AU 2017261491 AA	DEAD	AU 2017261491 AA	DEAD	
AU 2019226273	AA	2019-09-26	AU 2019226273 AA	ALIVE	AU 2019226273 AA	ALIVE	
US 2006063779	A	2006-03-23	US 2006063779 A	ALIVE	US 2006063779 A	ALIVE	
US 7888364	B	2011-02-15	US 7888364 B	ALIVE	US 7888364 B	ALIVE	2028-11-11
US 2011092461	A	2011-04-21	US 2011092461 A	ALIVE	US 2011092461 A	ALIVE	
US 2015105550	A	2015-04-16	US 2015105550 A	ALIVE	US 2015105550 A	ALIVE	
US 9278961	B	2016-03-08	US 9278961 B	ALIVE	US 9278961 B	ALIVE	2028-12-15
US 9321761	B	2016-04-26	US 9321761 B	ALIVE	US 9321761 B	ALIVE	2025-09-02
US 2016152569	A	2016-06-02	US 2016152569 A	ALIVE	US 2016152569 A	ALIVE	
US 9790183	B	2017-10-17	US 9790183 B	ALIVE	US 9790183 B	ALIVE	2025-09-02
US 2018029984	A	2018-02-01	US 2018029984 A	DEAD	US 2018029984 A	DEAD	
US 2020010420	A	2020-01-09	US 2020010420 A	ALIVE	US 2020010420 A	ALIVE	
CA 2579002	AA	2007-03-02	CA 2579002 AA	ALIVE	CA 2579002 AA	ALIVE	
CA 2579002	C	2012-11-27	CA 2579002 C	ALIVE	CA 2579002 C	ALIVE	2025-09-02
EP 1789390	A2	2007-05-30	EP 1789390 A2	ALIVE	EP 1789390 A2	ALIVE	
EP 1789390	B1	2011-11-09	EP 1789390 B1	ALIVE	EP 1789390 B1	ALIVE	2028-07-17