

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5006740

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAVELA PHARMACEUTICALS, LLC	04/23/2017
RECEIVING PARTY DATA	
Name:	ADVANCED RESIN THERAPEUTICS, INC.
Street Address:	6454 AUTUMN GOLD WAY
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92130
PROPERTY NUMBERS Total: 10	
Property Type	Number
Patent Number:	9554984
Patent Number:	8709439
Patent Number:	6899897
Patent Number:	8648082
Patent Number:	8846092
Application Number:	14351304
Application Number:	15343371
Application Number:	14434857
Application Number:	14647579
Application Number:	15337478
CORRESPONDENCE DATA	
Fax Number:	(703)997-7534
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	703-489-8937
Email:	ksheets@sheetspatent.com
Correspondent Name:	SHEETS LAW OFFICE LLC
Address Line 1:	PO BOX 71
Address Line 4:	MCLEAN, VIRGINIA 22101
ATTORNEY DOCKET NUMBER:	7023-001

NAME OF SUBMITTER:	KENDAL M. SHEETS
SIGNATURE:	/Kendal M. Sheets/
DATE SIGNED:	06/14/2018
Total Attachments: 11 source=Javela_assignment#page1.tif source=Javela_assignment#page2.tif source=Javela_assignment#page3.tif source=Javela_assignment#page4.tif source=Javela_assignment#page5.tif source=Javela_assignment#page6.tif source=Javela_assignment#page7.tif source=Javela_assignment#page8.tif source=Javela_assignment#page9.tif source=Javela_assignment#page10.tif source=Javela_assignment#page11.tif	

SECOND PATENT ASSIGNMENT AGREEMENT

This SECOND PATENT ASSIGNMENT AGREEMENT, dated as of April 23, 2017, is executed by JALEVA PHARMACEUTICALS, LLC, a Delaware limited liability company (the "Seller") and delivered to ADVANCED RESIN THERAPEUTICS, INC., a Delaware corporation (the "Purchaser"). All capitalized terms used and not defined herein shall have the meanings ascribed to them in the APA referred to below.

WHEREAS, Seller is the owner of certain Jaleva Patents (as set forth in Exhibit G attached to the APA);

WHEREAS, pursuant to that certain Asset Purchase Agreement between Purchaser and Seller, dated as of April 3, 2017 (the "APA"), Seller has agreed (and has executed a Patent Assignment Agreement, dated as of April 3, 2017) to sell, assign, transfer and deliver to Purchaser all right, title and interest in, to and under the Jaleva Patents;

WHEREAS, Seller and Purchaser entered into that certain Amendment to Asset Purchase Agreement, dated April 23, 2017, and updated the list of Jaleva Patents to include additional patents set forth in Exhibit A attached hereto (the "Additional Jaleva Patents");

WHEREAS, Seller and Purchaser wish to enter into this Second Patent Assignment Agreement for Seller to sell, assign, transfer and deliver to Purchaser all right, title and interest in, to and under the Additional Jaleva Patents.

NOW, THEREFORE, in consideration of the foregoing premises and of other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. **Assignment of Patents.** Seller hereby sells, assigns, transfers and delivers to Purchaser, and Purchaser hereby accepts, all right, title and interest that exist today or may exist in the future in, to and under the Additional Jaleva Patents, the inventions disclosed in the Additional Jaleva Patents and in and to all letters patent and other patent rights of the United States of America and all other jurisdictions which may or shall be granted on said inventions, or any parts thereof, or any divisional, continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, reexaminations, substitutions, extensions, reissue or other applications based in whole or in part on said inventions or Additional Jaleva Patents, all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances related to any of the Additional Jaleva Patents, and the right to all causes of action (known, unknown, currently pending, filed, or otherwise) and other enforcement rights including the ability to recover damages, obtain injunctive relief, and/or any other remedies available for past, present or future infringement and all rights to collect royalties and other payments under or on account of any of the Additional Jaleva Patents, free and clear of all Liens.

2. **Recording of Patent Assignment.** Seller does hereby request and authorize the Commissioner of Patents and Trademarks of the United States of America and all other

corresponding patent offices or authorities of other jurisdictions to record and register this Second Patent Assignment Agreement and to issue letters patent, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Additional Jaleva Patents and the inventions disclosed in the Additional Jaleva Patents to Purchaser or Purchaser's nominee, successor or assign.

3. **Further Assurances.** Seller agrees to execute all specific assignments, oaths, declarations, deeds or other instruments, and to do all acts necessary or proper, in each case, that are reasonably requested by Purchaser, (a) to transfer to Purchaser the Additional Jaleva Patents and the inventions disclosed in the Additional Jaleva Patents, (b) to secure the grant of letters patent on the Additional Jaleva Patents and the inventions disclosed in the Additional Jaleva Patents, in the United States of America and in all other jurisdictions, to Purchaser or Purchaser's nominee, and (c) to vest and confirm therein the legal title to all such patent rights.

4. **APA.** This Second Patent Assignment Agreement is entered into pursuant to and is subject in all respects to all of the terms, provisions and conditions of the APA, and nothing herein shall be deemed to modify any of the representations, warranties, covenants and obligations of the parties thereunder.

5. **Interpretation.** In the event of any conflict or inconsistency between the terms, provisions and conditions of this Second Patent Assignment Agreement and the APA, the terms, provisions and conditions of the APA shall govern.

6. **Governing Law.** This Second Patent Assignment Agreement shall be construed in accordance with, and governed in all respects by, the internal laws of the State of New York, USA (without giving effect to principles of conflicts of laws).

7. **Counterparts.** This Second Patent Assignment Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which together shall constitute a single agreement.

{Signature Page Follows}

IN WITNESS WHEREOF, Seller has caused this Second Patent Assignment Agreement to be duly executed as of the date first above written.

JALEVA PHARMACEUTICALS, LLC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

By: ADB

Name: Alex Battaglia

Title: President

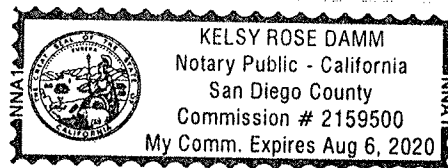
State of California)
County of San Diego) ss.

On April 22nd, 2017, before me, Kelsy Rose Damm, Notary Public, personally appeared Alex Battaglia, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public Kelsy Rose Damm



Place Notary Seal Above

My Commission Expires: 08/06/2020

ACCEPTED:

ADVANCED RESIN THERAPEUTICS, INC.

By: [Signature]

Name: Howard Edwards

Title: CEO

Exhibit A: NEW JALEVA CASES (AS OF APRIL 2017)

Family 1

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
10/11/2021	055327-0158	Abandoned	HK	16101890.1	10/11/2013			Method Of Preparing Resin Tinctures	

Family 2

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
----------	----------	--------	------	------------	----------	---------------	------------	-------	------------

Family 3

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0129	Abandoned	IL	191273	11/7/2006	n/a	n/a	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	
5/9/2017 Final: 6/9/2017	055327-0166	Pending	US	15/337478	10/28/2016			Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	Response to Missing Parts (Extendable to 6/9/2017)

Family 4

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
10/31/2017	055327-0165	Granted	CH	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0161	Granted	DE	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0160	Granted	FR	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0162	Granted	UK	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0163	Granted	IE	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)

Exhibit A: NEW JALEVA CASES (AS OF APRIL 2017)

10/31/2017	055327-0164	Granted	LU	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
6/28/2017 10/31/2017	055327-0159	Pending	EP	16164650.0	10/12/2012			Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Response Designation and examination fees Record in Hong Kong (optional) Annuity (6 month Grace Period to 4/30/2018)

Family 5

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0104	Abandon'd	EP	02756097.8	5/23/2002			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0122	Abandon ed	IL	202943	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0118	Abandon ed	JP	2003-504893	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0123	Abandon ed	JP	2010-035523	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
5/8/2017 FINAL: 7/8/2017	055327-0167	Pending	US	15/343371	11/4/2016			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Response to Missing Parts (Extendable to FINAL 7/8/2017)

Amendment to Asset Purchase Agreement

This AMENDMENT TO ASSET PURCHASE AGREEMENT (the "Amendment") is entered into as of April 23, 2017, by and between ADVANCED RESIN THERAPEUTICS, INC., a Delaware corporation ("Purchaser"), and JALEVA PHARMACEUTICALS, LLC, a Delaware limited liability company ("Seller"). Purchaser and Seller may be individually referred to herein as a "Party" or collectively as the "Parties".

WHEREAS, Purchaser and Seller are parties to that certain Asset Purchase Agreement, dated April 23, 2017 (the "APA"), pursuant which Purchaser acquired from Seller certain assets, technologies, and intellectual property rights owned by Seller that relate to Seller's proprietary resin technology; and

WHEREAS, the Parties now wish to update the list of Jaleva Patents to be transferred from Seller to Purchaser pursuant to the APA.

NOW THEREFORE, in consideration of the mutual promises and agreement set forth herein, and for other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Exhibit G (Jaleva Patents) to the APA (including the exhibit to the Patent Assignment Agreement in Exhibit D of the APA) is hereby deleted and replaced in its entirety with Exhibit A attached to this Amendment.

2. This Amendment amends the terms of the APA as expressly provided above, and the APA, as so amended and including all of its other terms and provisions that are not amended, remains in full force and effect. Capitalized terms used but not defined herein shall have the meanings set forth in the APA. The validity, performance, construction, and effect of this Amendment shall be governed by and construed under the substantive laws of the State of New York, without regard to conflicts of law rules that would cause the application of the laws of another jurisdiction. This Amendment may be executed in counterparts, all of which taken together shall be regarded as one and the same instrument.

IN WITNESS WHEREOF, the Parties have executed this Amendment in duplicate originals by their proper officers as of the date written above.

ADVANCED RESIN THERAPEUTICS, INC.

By: 

Name: Howard Odeman

Title: CEO

JALEVA PHARMACEUTICALS, LLC

By: 

Name: Alex Battaglia

Title: President

Exhibit A: JALEVA CASES AS OF APRIL 2017

Family 1

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0131	Expired	US	61/713238	10/12/2012	n/a	n/a	Method Of Preparing Resin Tinctures Of Chlorhexidine Gluconate	
N/A	055327-0138	Expired	US	61/713290	10/12/2012	n/a	n/a	Method Of Preparing Resin Tinctures	
N/A	055327-0148	Expired	P.C.T.	PCT/ US2013/064556	10/11/2013	n/a	n/a	Method Of Preparing Resin Tinctures Of Chlorhexidine Gluconate	
N/A	055327-0155	Abandoned	EP	13845634.8	10/11/2013			Method Of Preparing Resin Tinctures	
10/11/2021	055327-0158	Abandoned	HK	16101890.1	10/11/2013			Method Of Preparing Resin Tinctures	
5/9/2017 FINAL: 6/9/2017	055327-0154	Pending	US	14/434857	10/11/2013			Method Of Preparing Resin Tinctures	FERNDAL Response (Extendable to 6/9/2017)

Family 2

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0147	Expired	US	61/730665	11/28/2012	n/a	n/a	Dual Chamber Applicator	
N/A	055327-0149	Expired	P.C.T.	PCT/ US2013/071990	11/26/2013	n/a	n/a	Dual Chamber Applicator	
N/A	055327-0156	Abandoned	EP	13859213.4	11/26/2013	n/a	n/a	Dual Chamber Applicator	
N/A	055327-0157	Pending	US	14/647579	11/26/2013			Dual Chamber Applicator	FERNDAL Awaiting new action from USPTO (Response filed 2/27/2017)

Exhibit A: JALEVA CASES AS OF APRIL 2017

Family 3

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0106	Expired	US	60/517319	11/3/2003	n/a	n/a	Compositions For Topical Application Of Cosmetic Agents	
7/31/2020	055327-0103	Granted	US	10/754430	1/9/2004	9554984	1/31/2017	Oral Care Compositions For Topical Application	3½ year Maintenance Fee
N/A	055327-0105	Expired	US	60/734608	11/7/2005	n/a	n/a	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0130	Expired	P.C.T.	PCT/US2006/043572	11/7/2006	n/a	n/a	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	
11/7/2017	055327-0125	Granted	AU	2006311518	11/7/2006	2006311518	5/16/2013	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 5/7/2018)
N/A	055327-0126	Aband'd	CA	2629810	11/7/2006	n/a	n/a	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	
11/30/2017	055327-0127	Pending	EP	06844298.7	11/7/2006			Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 5/31/2018) Awaiting Examination
11/7/2017	055327-0128	Pending	HK	09100849.4	11/7/2006			Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 5/7/2018) Stage 2 to be entered when/if EP granted
N/A	055327-0129	Aband'd	IL	191273	11/7/2006	n/a	n/a	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0110	Aband'd	US	12/091043	11/7/2006	n/a	n/a	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	
10/29/2017	055327-0111	Granted	US	12/182372	7/30/2008	8709439	4/29/2014	Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	3½ year Maintenance Fee
5/9/2017 Final: 6/9/2017	055327-0166	Pending	US	15/337478	10/28/2016			Film-Forming Resins As A Carrier For Topical Application Of Pharmacologically Active Agents	Response to Missing Parts (Extendable to 6/9/2017)

PATENT

REEL: 046087 FRAME: 0372

Exhibit A: JALEVA CASES AS OF APRIL 2017

Family 4

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0133	Aband'd	US	61/546702	10/13/2011	n/a	n/a	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	
N/A	055327-0144	Aband'd	P.C.T.	PCT/ US2012/060107	10/12/2012	n/a	n/a	Method For Rapid Transbuccal Delivery Of Active Agent	
N/A	055327-0151	Aband'd	EP	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	
10/12/2020	055327-0153	Granted	HK	15101818.1	10/12/2012	1201203	8/28/2015	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/12/2021)
10/31/2017	055327-0165	Granted	CH	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0161	Granted	DE	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0160	Granted	FR	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0162	Granted	UK	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0163	Granted	IE	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
10/31/2017	055327-0164	Granted	LU	12778188.8	10/12/2012	2765989	4/13/2016	Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Annuity (6 month Grace Period to 4/30/2018)
6/28/2017 10/31/2017	055327-0159	Pending	EP	16164650.0	10/12/2012			Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Response Designation and examination fees Record in Hong Kong (optional) Annuity (6 month Grace Period to 4/30/2018)
4/26/2017 FINAL: 7/26/2017	055327-0150	Pending	US	14/351304	10/12/2012			Methods And Compositions For Rapid Transbuccal Delivery Of Active Agents	Response (Extendable to 7/26/2017)

PATENT

REEL: 046087 FRAME: 0373

Exhibit A: JALEVA CASES AS OF APRIL 2017

Family 5

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0109	Aband'd	US	60/299377	6/18/2001	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0119	Aband'd	P.C.T.	PCT/ US2002/016434	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
5/23/2017	055327-0115	Granted	AU	2002322011	5/23/2002	2002322011	10/9/2008	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/23/2017)
5/23/2017	055327-0120	Granted	AU	2008221575	5/23/2002	2008221575	1/5/2012	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/23/2017)
5/23/2017	055327-0135	Granted	AU	2011244985	5/23/2002	2011244985	9/25/2014	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/23/2017)
5/23/2017	055327-0116	Granted	CA	2451040	5/23/2002	2451040	10/9/2012	Gum Resin For Topical Administration Of Pharmacologically Active Agents	FERNDALDE Annuity (1 year Grace Period to 5/23/2018)
N/A	055327-0104	Aband'd	EP	02756097.8	5/23/2002			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
5/31/2017	055327-0124	Pending	EP	11173620.3	5/23/2002			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/30/2017) Awaiting further examination (Response filed 10/1/2012)
5/23/2018	055327-0145	Pending	HK	12110213.6	5/23/2002			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/23/2018) Stage 2 to be entered if/when EP patent grants
5/31/2017	055327-0121	Pending	EP	11165363.0	5/23/2002			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/30/2017) Response filed 3/7/2012 Awaiting further examination
5/23/2018	055327-0140	Pending	HK	12102280.1	5/23/2002			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/23/2018) Stage 2 to be entered if/when EP patent grants
5/23/2020	055327-0117	Granted	Israel	159387	5/23/2002	159387	9/17/2010	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Annuity (6 month Grace Period to 11/23/2020)
N/A	055327-0122	Abandoned	IL	202943	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	

PATENT

REEL: 046087 FRAME: 0374

Exhibit A: JALEVA CASES AS OF APRIL 2017

DEADLINE	F&L REF:	STATUS	CTRY	APP NUMBER	APP DATE	PATENT NUMBER	GRANT DATE	TITLE	ACTION DUE
N/A	055327-0118	Abandoned	JP	2003-504893	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
N/A	055327-0123	Abandoned	JP	2010-035523	5/23/2002	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
5/31/2017	055327-0108	Granted	US	10/053313	1/18/2002	6899897	5/31/2005	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	11½ year Maintenance Fee Patent Expires 1/18/2022
8/11/2017	055327-0107	Granted	US	10/279704	10/23/2002	8648082	2/11/2014	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	FERNDAL 3½ year Maintenance Fee
3/20/2018	055327-0142	Granted	US	13/464514	5/4/2012	8846092	9/30/2014	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	3½ year Maintenance Fee
N/A	055327-0152	Abandoned	US	14/478301	9/5/2014	n/a	n/a	Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	
5/8/2017 FINAL: 7/8/2017	055327-0167	Pending	US	15/343371	11/4/2016			Gum Resin As A Carrier For Topical Application Of Pharmacologically Active Agents	Response to Missing Parts (Extendable to FINAL 7/8/2017)

RECORDED: 06/14/2018

PATENT
REEL: 046087 FRAME: 0375