PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5618426

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
AQUESTIVE THERAPEUTICS, INC.	07/15/2019

RECEIVING PARTY DATA

Name:	U.S. BANK NATIONAL ASSOCIATION
Street Address:	ONE FEDERAL STREET
Internal Address:	3RD FLOOR
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02110

PROPERTY NUMBERS Total: 81

Property Type	Number
Application Number:	16251466
Application Number:	15634776
Application Number:	15936241
Application Number:	15672228
Application Number:	15971226
Application Number:	15818997
Application Number:	15865755
Application Number:	12686531
Application Number:	15882090
Application Number:	13084681
Application Number:	12702668
Application Number:	16290458
Application Number:	15710260
Application Number:	13844775
Application Number:	16155100
Application Number:	16002643
Application Number:	15699760
Application Number:	16447107
Application Number:	62700444

Property Type	Number
Application Number:	62729051
Application Number:	62728187
Application Number:	62732720
Application Number:	62682279
Application Number:	62859928
Application Number:	15587364
Application Number:	62735822
PCT Number:	US2018052927
Application Number:	16143036
Application Number:	16048243
PCT Number:	US2018053026
Application Number:	15724234
Application Number:	15791249
PCT Number:	US2018053042
Application Number:	16143821
Application Number:	16143867
Application Number:	09672949
Application Number:	10768809
Application Number:	11775484
Application Number:	15438458
Application Number:	13853237
Application Number:	12411835
Application Number:	13853290
Application Number:	13974376
Application Number:	12411505
Application Number:	10074272
Application Number:	12107389
Application Number:	10856176
Application Number:	13974389
Application Number:	13974401
Application Number:	13974413
Application Number:	11517982
Application Number:	15438406
Application Number:	10939752
Application Number:	11858214
Application Number:	12779316
Application Number:	11639013
Application Number:	11804385

Property Type	Number
Application Number:	12873834
Application Number:	11731139
Application Number:	11975584
Application Number:	13588267
Application Number:	12334906
Application Number:	14635851
Application Number:	12711899
Application Number:	12753152
Application Number:	12711883
Application Number:	13238024
Application Number:	14597593
Application Number:	12909995
Application Number:	14872672
Application Number:	13844423
Application Number:	15160606
Application Number:	13168576
Application Number:	13572775
Application Number:	14196082
Application Number:	16163029
Application Number:	13838522
Application Number:	13157836
Application Number:	13492040
Application Number:	14048286
Application Number:	15069875

CORRESPONDENCE DATA

Fax Number: (858)509-4010

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.

Phone: (858)509-4000

Email: docket_ip@pillsburylaw.com, cynthia.stroessr@pillsburylaw.com, michelle.mehok@pillsburylaw.com

Correspondent Name: PILLSBURY WINTHROP SHAW PITTMAN LLP

Address Line 1: 12255 EL CAMINO REAL, SUITE 300

Address Line 4: SAN DIEGO, CALIFORNIA 92130-4088

ATTORNEY DOCKET NUMBER:	258340-0000857
NAME OF SUBMITTER:	MICHELLE L. MEHOK
SIGNATURE:	/Michelle L. Mehok/
DATE SIGNED:	07/15/2019

Total Attachments: 27
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PATENT COLLATERAL AGREEMENT

This **PATENT COLLATERAL AGREEMENT** ("Agreement") is dated as of July 15, 2019, by and among **AQUESTIVE THERAPEUTICS, INC.**, a Delaware corporation with an address at 30 Technology Drive, Warren, New Jersey 07059 (the "Grantor"), and **U.S. BANK NATIONAL ASSOCIATION**, in its capacity as collateral agent for the Secured Parties (as defined below) with the address listed below (and its successors under the Indenture, in such capacity, the "Collateral Agent").

PRELIMINARY STATEMENT

WHEREAS the Grantor has entered into that certain Indenture dated as of the date hereof (as amended, extended, renewed, restated, supplemented, waived or otherwise modified from time to time, the "Indenture") with the Collateral Agent and U.S. Bank National Association, in its capacity as Trustee having an address at One Federal Street, 3rd Floor, Boston, Massachusetts 02110 (and its successors under the Indenture (as defined below), in such capacity, the "Trustee");

WHEREAS, as a condition to the issuance by the Issuer of its 12.5% Senior Secured Notes due 2025, the Grantor has entered into that certain Collateral Agreement dated as of the date hereof (as may be amended, extended, renewed, restated, supplemented, waived or otherwise modified from time to time, the "Collateral Agreement"); and

WHEREAS, pursuant to the terms of the Collateral Agreement, the Grantor has agreed to grant to the Collateral Agent, for the benefit of the Secured Parties (as defined in the Collateral Agreement), a continuing security interest in and lien on, the Grantor's right, title and interest in and to all present and future copyrights, patents, trademarks, and related licenses and rights for the benefit of the Secured Parties; and

WHEREAS, pursuant to the Collateral Agreement, the Grantor is required to execute and deliver to the Collateral Agent this Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor hereby agrees as follows:

I. DEFINED TERMS. All capitalized terms used but not otherwise defined herein have the meanings given to them in the Collateral Agreement.

II. GRANT OF SECURITY INTEREST IN PATENT COLLATERAL. The Grantor hereby grants to the Collateral Agent, for the benefit of the Secured Parties, on the terms set forth in and subject to the Collateral Agreement, a continuing first-priority lien and security interest (subject to Permitted Liens) in all of the Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Patent Collateral"):

A. all of its patent applications, patents and intellectual property licenses to which it is a party including those set forth in Schedule I hereto (the "Patents");

B. all divisionals, continuations, continuations in part, reissues, reexaminations, or extensions of the foregoing; and

C. all products and proceeds of the Patents, including any claim by the Grantor against third parties for past, present or future (i) infringement of any Patents or any Patents exclusively licensed under any intellectual property license, including the right to receive any damages, or (ii) right to receive license fees, royalties and other compensation under any intellectual property license;

provided, however, that, notwithstanding anything herein to the contrary, the Patent Collateral shall not include, and the lien and security interest granted in this Agreement shall not attach to, the Excluded Assets of the type described in clause (i) of the definition thereof.

III. SECURITY FOR OBLIGATIONS. The grant of a lien and security interest in the Patent Collateral by the Grantor pursuant to this Agreement secures prompt payment to the Secured Parties of the Obligations. This Agreement and the lien and security interest created hereby secures the payment and performance of the Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Agreement secures the payment of all amounts which constitute part of the Obligations (as defined in the Collateral Agreement) and would be owed by the Grantor to the Secured Parties, whether or not they are unenforceable or not allowable due to the existence of a proceeding commenced by or against the Grantor under any provision of the Bankruptcy Code (or under any other applicable foreign bankruptcy, insolvency, receivership or similar law) or under any other state or federal bankruptcy or insolvency law, assignments for the benefit of creditors, formal or informal moratoria, compositions, extensions generally with creditors, or proceedings seeking reorganization, arrangement, or other similar relief.

IV. COLLATERAL AGREEMENT. The lien and security interest granted pursuant to this Agreement is granted in conjunction with the lien and security interests granted to the Collateral Agent pursuant to the Collateral Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the lien and security interest in the Patent Collateral made and granted hereby are more fully set forth in the Collateral Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Agreement and the Collateral Agreement, the Collateral Agreement shall control.

V. AUTHORIZATION TO SUPPLEMENT. The Grantor hereby authorizes the Collateral Agent to modify this Agreement by amending Schedule I to include any new patent rights of the Grantor in accordance with the provisions of the Collateral Agreement; provided, that, the Collateral Agent shall provide prior written notice to the Grantor of any such amendment or modification, including a copy of the proposed amendment or modification to Schedule I. Notwithstanding the foregoing, no failure to so modify this Agreement or amend Schedule I or provide notice to the Grantor of same shall in any way affect, invalidate or detract

from the Collateral Agent's continuing security interest in all Collateral, whether or not listed on Schedule I.

VI. LIMITATION BY LAW; SEVERABILITY OF PROVISIONS. All rights, remedies and powers provided in this Agreement may be exercised only to the extent that the exercise thereof does not violate any applicable provision of law, and all the provisions of this Agreement are intended to be subject to all applicable mandatory provisions of law that may be controlling and to be limited to the extent necessary so that they shall not render this Agreement invalid, unenforceable or not entitled to be recorded or registered, in whole or in part. The illegality or unenforceability of any provision of this Agreement or any instrument or agreement required hereunder shall not in any way affect or impair the legality or enforceability of the remaining provisions of this Agreement or any instrument or agreement required hereunder.

VII. BINDING EFFECT. The provisions of this Agreement shall be binding upon and inure to the benefit of the respective representatives, successors, and permitted assigns of the parties hereto; provided, however, the Grantor shall not assign or delegate any of its rights or duties under this Agreement without the prior written consent of the Collateral Agent (other than pursuant to a transaction permitted under the Indenture), and any attempted assignment without such consent shall be null and void. The rights and benefits of the Collateral Agent hereunder shall, if such Persons so agree, inure to any party acquiring any interest in the Obligations or any part thereof in accordance with the terms hereof or of the Collateral Agreement.

VIII. CAPTIONS. The captions contained in this Agreement are for convenience of reference only, are without substantive meaning and should not be construed to modify, enlarge, or restrict any provision.

IX. TERMINATION AND RELEASE. This Agreement shall terminate in accordance with the Collateral Agreement.

X. ENTIRE AGREEMENT. This Agreement, together with the Collateral Agreement, other Indenture Documents (as defined in the Indenture) and the other Security Documents, embodies the entire agreement and understanding between the Grantor and the Collateral Agent relating to the Patent Collateral and supersedes all prior agreements and understandings between the Grantor and the Collateral Agent relating to the Patent Collateral.

XI. COUNTERPARTS. This Agreement may be executed in any number of counterparts, all of which taken together shall constitute one agreement, and any of the parties hereto may execute this Agreement by signing any such counterpart, and a copy of any such counterpart shall be valid as an original.

XII. AMENDMENTS. Neither this Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into by the Collateral Agent and the Grantor with respect to which such waiver, amendment or modification is to apply, subject to any consent that may be required in accordance with the Collateral Agreement.

XIII. GOVERNING LAW. **THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAW (OTHER THAN SECTIONS 5-1401 AND 5-1402 OF THE NEW YORK GENERAL OBLIGATIONS LAW) EXCEPT TO THE EXTENT THAT LOCAL LAW GOVERNS THE CREATION, PERFECTION, PRIORITY OR ENFORCEMENT OF SECURITY INTERESTS**.

[signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

AQUESTIVE THERAPEUTICS, INC.

By: _____

Name: John Maxwell

Title: CFO

{Signature Page to Patent Collateral Agreement}

ACCEPTED AND ACKNOWLEDGED BY:

U.S. BANK NATIONAL ASSOCIATION,
as Collateral Agent
One Federal Street, 3rd Floor
Boston, Massachusetts 02110

By: _____

Name: Alison O B. Nadeau
Vice President

Title: _____

{Signature Page to Patent Collateral Agreement}

Schedule 1
to
PATENT COLLATERAL AGREEMENT

Aquestive Therapeutics, Inc. Applied-For Patent Applications

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Substatus**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
2	1199-4 B CIP/RCE/DIV/CON II	US	Filed		UNIFORM FILMS FOR RAPID DISSOLVE DOSAGE FORM INCORPORATING TASTE-MASKING COMPOSITIONS	16/251,664	01/18/2019				
3	1199-4 B CIP/RCE/DIV/CON IV	US	Filed		UNIFORM FILMS FOR RAPID DISSOLVE DOSAGE FORM INCORPORATING TASTE-MASKING COMPOSITIONS	15/634,776	06/27/2017	2017-0290777	10/12/2017		
4	1199-4 B DIV/CON/RCE/CON (5)	US	Filed		Thin Film With Non-Self-Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	15/936,241	03/26/2018				
5	1199-4 CON/RCE IV/ CON II	US	Filed		THIN FILM WITH NON-SELF AGGREGATING UNIFORM HETEROGENEITY AND DRUG DELIVERY SYSTEMS MADE THEREFROM	15/672,228	08/08/2017				
6	1199-4 PCT/EPO/DIV (2)	EP	Filed		Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	19169349.8	04/15/2019				
7	1199-26 PCT/EPO/DIV II	EP	Filed		Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	17151005	01/11/2017				
8	1199-26 PCT/Norway	NO	Filed		Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	2005/6060	05/28/2004	20056060	02/07/2006		
9	1199-26 RCE/CON II/ C (4)	US	Filed		FILMS AND DRUG DELIVERY SYSTEM MADE THEREFROM	15/971,226	05/04/2018				
10	1199-36 RCE II/ CON (6)	US	Filed		UNIFORM FILMS FOR RAPID-DISSOLVE DOSAGE FORM INCORPORATING ANTI-TACKING COMPOSITIONS	15/818,997	11/21/2017				
11	1199-37 CON/RCE/CON (3)	US	Filed		FILMS AND DRUG DELIVERY SYSTEMS MADE THEREFROM	15/865,755	01/09/2018				
12	1199-52 RCE	US	Filed		Unit Assembly For Multiple Film Dosages, Apparatus, and Methods	12/686,531	01/13/2010	2010-0178254	07/15/2010		
13	1199-81 CON	US	Filed		Process For Analyzing And Establishing Dosage Size In An Ingestible Film	15/882,090	01/29/2018				
14	1199-81 PCT/Australia/DIV	AU	Filed		Process For Analyzing And Establishing Dosage Size In An Ingestible Film	2017200625	01/31/2017				
15	1199-81 PCT/Canada/DIV	CA	Filed		Process For Analyzing And Establishing Dosage Size In An Ingestible Film	3,025,926	11/30/2018				
16	1199-82 A/Argentina	AR	Filed		Sublingual And Buccal Film Compositions. Process, Method Of Treatment	P100102899	08/06/2010	77803	09/21/2011		

Aquestive Therapeutics, Inc. Applied-For Patent Applications

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Substatus**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
17	1199-82 A/Pakistan	PK	Filed		Sublingual And Buccal Film Compositions	687/2010	08/05/2010				
18	1199-82 A/PCT/AUSTRALIA/DIV III	AU	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	2018205083	07/10/2018				
19	1199-82 A/PCT/Canada	CA	Filed		Sublingual And Buccal Film Compositions	2,771,089	08/05/2010	2,771,089	02/10/2011		
20	1199-82 A/PCT/EPO/DIV	EP	Filed		Sublingual And Buccal Film Compositions	18150094.3	01/02/2018				
21	1199-83 CHINA/DIV	CN	Filed		METHOD FOR MANUFACTURING EDIBLE FILM	201510520911.1	12/14/2009	105106178 A	12/02/2015		
22	1199-106 PCT/EPO	EP	Filed		Device And System For Determining, Preparing And Administering Therapeutically Effective Doses	11747942.9	02/23/2011	2538913	01/02/2013		
23	1199-112	US	Filed		Dual Lane Coating	13/084,681	04/12/2011	2012-0263865A1	10/18/2012		
24	1199-112 PCT/Australia/DIV II	AU	Filed		Dual Lane Coating	2019200251	01/15/2019				
25	1199-112 PCT/EPO	EP	Filed		Dual Lane Coating	12770597.8	04/05/2012	EP2696850	02/19/2014		
26	1199-113 RCE VI	US	Filed		Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	12/702,668	02/09/2010	2011-019275A1	08/11/2011		
27	1199-117 PCT/China/DIV	CN	Filed		Method And System For Forming A Phamaceutical Product Directly Onto A Packaging Surface	201810174676.0	03/02/2018				
28	1199-117 PCT/EPO	EP	Filed		METHOD AND SYSTEM FOR FORMING A PHARMACEUTICAL PRODUCT DIRECTLY ONTO A PACKAGING SURFACE	11827397.8	09/21/2011	261882	07/31/2013		
29	1199-119 CON (2)	US	Filed		MANUFACTURING OF SMALL FILM STRIPS	16/290,458	03/01/2019				
30	1199-119 PCT/ South Korea/DIV	KR	Filed	Allowed	Manufacturing Of Small Film Strips	10-2019-7000375	01/04/2019				
31	1199-119 PCT/Canada	CA	Filed	Allowed	Manufacturing Of Small Film Strips	2,815,467	10/21/2011	2,815,467	04/26/2012		
32	1199-119 PCT/EPO/DIV	EP	Filed	Allowed	Manufacturing Of Small Film Strips	19167479.5	04/05/2019				
33	1199-119 PCT/Japan/DIV	JP	Filed		Manufacturing Of Small Film Strips	2016-144367	10/21/2011	2016-204381	12/08/2016		
34	1199-119 PCT/Japan/DIV 2	JP	Filed		Manufacturing Of Small Film Strips	2019-096877	10/21/2011				
35	1199-130 PCT/EPO	EP	Filed		Reduction In Stress Cracking Of Films	14715522.0	03/14/2014	2968058	01/20/2016		
36	1199-130 DIV/CON	US	Filed	Allowed	Reduction In Stress Cracking Of Films	15/710,260	9/20/2017				
37	1199-131	US	Filed		Reduction In Stress Cracking Of Films	13/844,775	03/15/2013	2014-0272220A1	09/18/2014		
38	1199-131 PCT/CHINA	CN	Filed		Reduction In Stress Cracking Of Films	201480026916.2	03/14/2014	105229064A	01/06/2016		
39	1199-131 PCT/EPO	EP	Filed		Reduction In Stress Cracking Of Films	14721118.9	03/14/2014	2970609	01/20/2016		
40	1199-138 PCT/EPO	EP	Filed		Anti-Pain And Anti-Nausea And/Or Vomitting Combinatorial Compositions	13766441.3	09/12/2013	2895145	07/22/2015		

Aquestive Therapeutics, Inc. Applied-For Patent Applications

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Substatus**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
41	1199-141 PCT/Canada	CA	Filed	Allowed	Biocompatibile Film With Variable Cross-Sectional Properties	2,839,343	05/04/2012	2,839,343	12/27/2012		
42	1199-141 PCT/China	CN	Filed		Biocompatibile Film With Variable Cross-Sectional Properties	201280031340.X	05/04/2012	CN103945834A	07/23/2014		
43	1199-141 PCT/EPO/DIV	EP	Filed		Biocompatibile Film With Variable Cross-Sectional Properties	18171984	05/04/2012				
44	1199-141 PCT/India	IN	Filed		Biocompatibile Film With Variable Cross-Sectional Properties	3580/KOLNP/2013	05/04/2012	3580/KOLNP/2013	02/21/2014		
45	1199-141 PCT/Japan	JP	Filed		Biocompatible Film With Variable Cross-Sectional Properties	2014-516969	05/04/2012	2014-520144	08/21/2014		
46	1199-141 PCT/Japan/DIV	JP	Filed	Allowed	Biocompatible Film With Variable Cross-Sectional Properties	2017-054303	03/21/2017				
47	1199-143 CON (3)	US	Filed		Sublingual And Buccal Film Compositions	16/155,100	10/09/2018	2019-0038570	02/07/2019		
48	1199-143 PCT/BRAZIL	BR	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	BR 11 2015 023725 8	03/14/2014				
49	1199-143 PCT/CANADA	CA	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	2,906,773	03/14/2014				
50	1199-143 PCT/CHINA	CN	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	201480027179.8	03/14/2014	CN105491997A	04/13/2016		
51	1199-143 PCT/EPO/DIV	EP	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	18209332.8	11/29/2018				
52	1199-143 PCT/ISRAEL	IL	Filed	Allowed	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	241441	03/14/2014				
53	1199-143 PCT/JAPAN/DIV	JP	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	2018-225191	11/30/2018				
54	1199-143 PCT/MALAYSIA	MY	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	PI 2015703198	03/14/2014				
55	1199-143 PCT/MEXICO	MX	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	MX/a/2015/013184	03/14/2014				
56	1199-143 PCT/ NEW ZEALAND	NZ	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	713027	03/14/2014				
57	1199-143 PCT/ SOUTH AFRICA	ZA	Filed	Allowed	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	2015/07685	03/14/2014				
58	1199-143 PCT/ SOUTH KOREA	KR	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	10-2015-7028424	03/14/2014				
59	1199-144 PCT/Canada	CA	Filed		Films And Drug Delivery Systems For Rizatriptan		03/13/2014				
60	1199-144 PCT/EPO	EP	Filed		Films And Drug Delivery Systems For Rizatriptan	14716494.1	03/13/2014				
61	1199-151 PCT/Australia	AU	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	2015360580	12/092015				
62	1199-151 PCT/Canada	CA	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	2,969,46	12/092015				
63	1199-151 PCT/China	CN	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	201580066570.3	12/092015				

Aquestive Therapeutics, Inc. Applied-For Patent Applications

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Substatus**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
64	1199-151 PCT/EPO	EP	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	15813673.9	12/092015				
65	1199-151 PCT/India	IN	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	201717021929	12/092015				
66	1199-151 PCT/Japan	JP	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	2017-530751	12/092015				
67	1199-151 PCT/South Korea	KR	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	10-2017-7017708	12/092015				
68	1199-151 PCT/US/CON	US	Filed		LINEAR POLYSACCHARIDE BASED FILM PRODUCTS	16/002,643	06/07/2018				
69	1199-186 CON (4)	US	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	15/699,760	09/08/2017	2018-0000726	01/04/2018		
70	1199-198	US	Filed		SYSTEM AND METHOD FOR MAKING PERSONALIZED INDIVIDUAL UNIT DOSES CONTAINING PHARMACEUTICAL ACTIVES	16/447,107	06/20/2019				
71	1199-198 P2	US	Filed		SYSTEM AND METHOD FOR MAKING PERSONALIZED INDIVIDUAL UNIT DOSES CONTAINING PHARMACEUTICAL ACTIVES	62/700,444	07/19/2018				
72	1199-198 P3	US	Filed		SYSTEM AND METHOD FOR MAKING PERSONALIZED INDIVIDUAL UNIT DOSES CONTAINING PHARMACEUTICAL ACTIVES	62/729,051	09/10/2018				
73	1199-205 P	US	Filed		FILM COMPOSITIONS AND DOSAGE FORMS CONTAINING ACTIVE HAVING PRECISE DISSOLUTION PROFILES	62/728,187	09/07/2018				
74	1199-205 P2	US	Filed		ORAL FILM COMPOSITIONS AND DOSAGE FORMS HAVING PRECISE ACTIVE DISSOLUTION PROFILES	62/732,720	09/18/2018				
75	1199-206 P	US	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	62/682,279	06/08/2018				
76	1199-206 P2	US	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	62/859,289	06/20/2019				
77	**Aquestive Therapeutics, Inc./Midatech Limited Co-Owned (listed below)**										
78	1199-118 B/PCT/India	IN	Filed		NANOPARTICLE FILM DELIVERY SYSTEMS	83/KOLNP/2013	06/10/2011	83/KOLNP/2013	06/28/2013		
79	1199-129 PCT/Canada	CA	Filed		Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	2,838,762	06/08/2012	2,838,762	12/13/2012		
80											
81	**Steptoe Responsible Cases**										
82	18460.0013BR	BR	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	BR112018072467-0	10/31/2018	2511	02/19/2019		
83	18460.0013CA	CA	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	3,022,797	10/31/2018				

Aquestive Therapeutics, Inc. Applied-For Patent Applications

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Substatus**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
84	18460.0013CN	CN	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	201780037588.X	12/17/2018	109310647	02/05/2019		
85	18460.0013EP	EP	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	17723617.1	12/05/2018	3452024	03/13/2019		
86	18460.0013IN	IN	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	201817045293	11/30/2018	11/2019	03/15/2019		
87	18460.0013IL	IL	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	262751	11/04/2018				
88	18460.0013JP	JP	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	2018-558225	11/02/2018				
89	18460.0013KR	KR	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	10-2018-7035236	12/05/2018				
90	18460.0014BR	BR	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	BR112018072539-0	11/01/2018	2516	03/26/2019		
91	18460.0014CA	CA	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	3,022,840	10/31/2018				
92	18460.0014CN	CN	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	201780037587.5	12/17/2018	109310646	02/05/2019		
93	18460.0014EP	EP	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	17723616.3	12/05/2018	3452023	03/13/2019		
94	18460.0014IN	IN	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	201817045308	11/30/2018	11/2019	03/15/2019		
95	18460.0014IL	IL	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	262750	11/04/2018				
96	18460.0014JP	JP	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	2018-558224	11/02/2018				
97	18460.0014KR	KR	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	10-2018-7035240	12/05/2018				
98	18460.0014	US	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	15/587,364	05/04/2017	2017-0348251	12/07/2017		
99	18460.0023P1	US	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	62/735,822	09/24/2018				
100	18460.0026PCT	WO	Filed		DELIVERY PHARMACEUTICAL COMPOSITIONS INCLUDING PERMEATION ENHANCERS	PCT/US2018/052927	09/26/2018	2019/067596	04/04/2019		
101	18460.0026	US	Filed		DELIVERY PHARMACEUTICAL COMPOSITIONS INCLUDING PERMEATION ENHANCERS	16/143,036	09/26/2018	2019-0091281	03/28/2019		
102	18460.0027C3	US	Filed		SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	16/048,243	07/28/2018	2019-0070100	03/07/2019		
103	18460.0028PCT	WO	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	PCT/US2018/053026	09/27/2018				
104	18460.0028	US	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	15/724,234	10/03/2017	2018-0200198	07/19/2018		
105	18460.0029	US	Filed		ENHANCED DELIVERY EPINEPHRINE COMPOSITIONS	15/791,249	10/23/2017	2018-0104195	04/19/2018		

Aquestive Therapeutics, Inc. Applied-For Patent Applications

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Substatus**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
106	18460.0032PCT	WO	Filed		ENHANCED DELIVERY EPINEPHRINE AND PRODRUG COMPOSITIONS	PCTUS2018/053042	09/27/2018	2019/067670	04/04/2019		
107	18460.0032	US	Filed		ENHANCED DELIVERY EPINEPHRINE AND PRODRUG COMPOSITIONS	16/143,821	09/27/2018	2019-0022023	01/24/2019		
108	18460.0034PCT	WO	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	PCT/US2018/053026	09/27/2018	2019/067667	04/04/2019		
109	18460.0034	US	Filed		PHARMACEUTICAL COMPOSITIONS WITH ENHANCED PERMEATION	16/143,678	09/27/2018	2019-0022022	01/24/2019		

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
2	1199-0	US	Granted	9/29/2020	Oral delivery method and composition for solid medications or dietary supplements	09/672,949	09/29/2000			6,337,083	01/08/2002
3	1199-4 B	US	Granted	6/18/2024	Process For Making An Ingestible Film	10/768,809	01/30/2004	2004-0258896A1	12/23/2004	7,357,891	04/15/2008
4	1199-4 B CIP/RCE	US	Granted	4/3/2024	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11/775,484	07/10/2007	2008-0044454A1	02/21/2008	8,603,514	12/10/2013
5	1199-4 B CIP/RCE/DIV/CON III	US	Granted	2/14/2022	UNIFORM FILMS FOR RAPID DISSOLVE DOSAGE FORM INCORPORATING TASTE-MASKING COMPOSITIONS	15/438,458	02/21/2017	2017-0224628	08/10/2017	9,931,305	04/03/2018
6	1199-4 B CIP/RCE/CON	US	Granted	2/14/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	13/853,237	03/29/2013			8,652,378	02/18/2014
7	1199-4 B DIV/CON/RCE	US	Granted	2/14/2022	Thin Film With Non-Self-Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	12/411,835	03/26/2009	2009-0182062	07/16/2009	7,910,031	03/22/2011
8	1199-4 B DIV/CON/RCE/CON III	US	Granted	10/11/2022	Thin Film With Non-Self-Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	13/853,290	03/29/2013	2013/0337148	12/19/2013	10,111,810	10/30/2018
9	1199-4 B DIV/CON/RCE/CON IV	US	Granted	2/14/2022	PROCESS FOR MANUFACTURING A RESULTING PHARMACEUTICAL FILM	13/974,376	08/23/2013	2014-0008830A1	01/09/2014	8,906,277	12/09/2014
10	1199-4 B/PCT/Canada	CA	Granted	1/30/2024	Thin Film With Non-Self-Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	2,514,897	01/30/2004	CA2514897	08/12/2004	2,514,897	08/28/2012
11	1199-4 B/PCT/China	CN	Granted	1/29/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	200480008183.6	01/30/2004	CN1764443A	04/26/2006	ZL200480008183	12/26/2007
12	1199-4 B/PCT/EPO/Denmark	DK	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	1587504	10/26/2005	1587504	04/18/2012
13	1199-4 B/PCT/EPO/France	FR	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	1587504	10/26/2005	1587504	04/18/2012
14	1199-4 B/PCT/EPO/Germany	DE	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	602004037401.6	10/26/2005	1587504	04/18/2012
15	1199-4 B/PCT/EPO/Hungary	HU	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	1587504	10/26/2005	1587504	04/18/2012
16	1199-4 B/PCT/EPO/Ireland	IE	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	1587504	10/26/2005	1587504	04/18/2012

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
17	1199-4 B/PCT/EPO/ Switzerland	CH	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	1587504	10/26/2005	1587504	04/18/2012
18	1199-4 B/PCT/EPO/UK	GB	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	04707004.0	01/30/2004	1587504	10/26/2005	1587504	04/18/2012
19	1199-4 B/PCT/India	IN	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	1550/KOLNP/2005	01/30/2004	1550/KOLNP/2005	09/15/2006	228056	01/28/2008
20	1199-4 B/PCT/Japan	JP	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	2006-503172	01/30/2004	2006-516634	07/06/2006	5165888	12/28/2012
21	1199-4 B/PCT/Japan/DIV	JP	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	2011-000174	01/30/2004	2011-68689	04/07/2011	5723601	04/03/2015
22	1199-4 B/PCT/Japan/DIV III	JP	Granted	1/30/2024	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	2015-38002	02/27/2015			6109865	03/17/2017
23	1199-4 CON III/RCE	US	Granted	2/23/2023	Thin Film With Non-Self-Aggregating Uniform Heterogeneity And Drug Delivery Systems Made Therefrom	12/411,505	03/26/2009	2009-0181069	07/16/2009	8,685,437	04/01/2014
24	1199-4 PCT/Australia	AU	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	2002348432	10/11/2002	2002348432	04/22/2003	2002348432	11/22/2007
25	1199-4 PCT/Canada	CA	Granted	10/11/2022	THIN FILM WITH NON-SELF-AGGREGATING UNIFORM HETEROGENEITY, PROCESS FOR THEIR PRODUCTION AND DRUG DELIVERY SYSTEMS MADE THEREFROM	2,473,967	10/11/2002	CA2473967	04/17/2003	2,473,967	06/14/2011
26	1199-4 PCT/EPO/Denmark	DK	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	02782151.1	10/11/2002	1463491	10/06/2004	1463491	09/12/2012
27	1199-4 PCT/EPO/France	FR	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	02782151.1	10/11/2002	1463491	10/06/2004	1463491	09/12/2012
28	1199-4 PCT/EPO/Germany	DE	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	02782151.1	10/11/2002	1463491	10/06/2004	1463491	09/12/2012
29	1199-4 PCT/EPO/Ireland	IE	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	02782151.1	10/11/2002	1463491	10/06/2004	1463491	09/12/2012

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
30	1199-4 PCT/EPO/Switzerland	CH	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	02782151.1	10/11/2002	1463491	10/06/2004	1463491	09/12/2012
31	1199-4 PCT/EPO/UK	GB	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	02782151.1	10/11/2002	1463491	10/06/2004	1463491	09/12/2012
32	1199-4 PCT/EPO/DIV/France	FR	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10182204.7	10/11/2002	2351557	08/03/2011	2351557	04/17/2019
33	1199-4 PCT/EPO/DIV/Germany	DE	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10182204.7	10/11/2002	2351557	08/03/2011	2351557	04/17/2019
34	1199-4 PCT/EPO/DIV/Ireland	IE	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10182204.7	10/11/2002	2351557	08/03/2011	2351557	04/17/2019
35	1199-4 PCT/EPO/DIV/Italy	IT	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10182204.7	10/11/2002	2351557	08/03/2011	2351557	04/17/2019
36	1199-4 PCT/EPO/DIV/Spain	ES	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10182204.7	10/11/2002	2351557	08/03/2011	2351557	04/17/2019
37	1199-4 PCT/EPO/DIV/UK	UK	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10182204.7	10/11/2002	2351557	08/03/2011	2351557	04/17/2019
38	1199-4 PCT/Japan	JP	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	2003-533914	10/11/2002	2005-511522	04/28/2005	5701468	02/27/2015
39	1199-4 PCT/Japan/DIV	JP	Granted	10/11/2022	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	2011-025894	02/09/2011	2011-93936	05/12/2011	5748494	05/22/2015
40	1199-4 PCT/JAPAN/DIV II	JP	Granted	10/11/2022	THIN FILM WITH NON-SELF AGGREGATING UNIFORM HETEROGENEITY AND DRUG DELIVERY MADE THEREFROM	2015-59123	10/11/2002	2015-129183	07/16/2015	6035369	11/30/2016
41	1199-4 RCE II	US	Granted	10/28/2023	Thin Film With Non-Self Aggregating Uniform Heterogeneity And Drug Delivery Made Therefrom	10/074,272	02/14/2002	2003-0107149A1	06/12/2003	7,425,292	09/16/2008
42	1199-10 PCT/Australia	AU	Granted	10/11/2022	Glucan Based Film Delivery Systems	2002332118	10/11/2002	2002332118	04/22/2003	2002332118	10/09/2008
43	1199-10 PCT/Canada	CA	Granted	10/11/2022	Glucan Based Film Delivery Systems	2,473,975	10/11/2002	2,473,975	04/17/2003	2,473,975	05/03/2011
44	1199-10 PCT/EPO/France	FR	Granted	10/11/2022	Glucan Based Film Delivery Systems	02769061.9	10/11/2002	1463490	10/06/2004	1463490	12/14/2011
45	1199-10 PCT/EPO/Germany	DE	Granted	10/11/2022	Glucan Based Film Delivery Systems	02769061.9	10/11/2002	1463490	10/06/2004	1463490	12/14/2011
46	1199-10 PCT/EPO/Ireland	IE	Granted	10/11/2022	Glucan Based Film Delivery Systems	02769061.9	10/11/2002	1463490	10/06/2004	1463490	12/14/2011

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
47	1199-10 PCT/EPO/Switzerland	CH	Granted	10/11/2022	Glucan Based Film Delivery Systems	02769061.9	10/11/2002	1463490	10/06/2004	1463490	12/14/2011
48	1199-10 PCT/EPO/UK	GB	Granted	10/11/2022	Glucan Based Film Delivery Systems	02769061.9	10/11/2002	1463490	10/06/2004	1463490	12/14/2011
49	1199-10 PCT/Japan	JP	Granted	10/11/2022	Glucan Based Film Delivery Systems	2003-533913	10/11/2002	2005-528328	09/22/2005	4795639	08/05/2011
50	1199-13 PCT/Canada	CA	Granted	7/22/2023	Packaging And Dispensing Of Rapid Dissolve Dosage Form	2,505,796	07/22/2003	CA2505796	01/29/2004	2,505,796	01/03/2012
51	1199-13 PCT/China	CN	Granted	7/21/2023	Packaging And Dispensing Of Rapid Dissolve Dosage Form	03822424	07/22/2003	CN1747656A	03/15/2006	ZL03822424.0	05/04/2011
52	1199-13 PCT/EPO/FRANCE	FR	Granted	7/22/2023	PACKAGING AND DISPENSING OF RAPID DISSOLVE DOSAGE FORM	03748966.3	07/22/2003			1542903	05/20/2015
53	1199-13 PCT/EPO/GERMANY	DE	Granted	7/22/2023	PACKAGING AND DISPENSING OF RAPID DISSOLVE DOSAGE FORM	03748966.3	07/22/2003	60347639.2		1542903	05/20/2015
54	1199-13 PCT/EPO/ SWITZERLAND	CH	Granted	7/22/2023	PACKAGING AND DISPENSING OF RAPID DISSOLVE DOSAGE FORM	03748966.3	07/22/2003			1542903	05/20/2015
55	1199-13 PCT/EPO/UK	GB	Granted	7/22/2023	PACKAGING AND DISPENSING OF RAPID DISSOLVE DOSAGE FORM	03748966.3	07/22/2003			1542903	05/20/2015
56	1199-15 PCT/Australia	AU	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	2002362772	10/11/2002	2002362772	04/22/2003	2002362772	12/20/2007
57	1199-15 PCT/Canada	CA	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	2,473,970	10/11/2002	CA2473970	04/17/2003	2,473,970	05/28/2013
58	1199-15 PCT/EPO/DIV/France	FR	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11157819.1	10/11/2002	2332523	06/15/2011	2332523	09/11/2013
59	1199-15 PCT/EPO/DIV/ Germany	DE	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11157819.1	10/11/2002	2332523	06/15/2011	2332523	09/11/2013
60	1199-15 PCT/EPO/DIV/Italy	IT	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11157819.1	10/11/2002	2332523	06/15/2011	2332523	09/11/2013
61	1199-15 PCT/EPO/DIV/Spain	ES	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11157819.1	10/11/2002	2332523	06/15/2011	2332523	09/11/2013
62	1199-15 PCT/EPO/DIV/ Switzerland	CH	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11157819.1	10/11/2002	2332523	06/15/2011	2332523	09/11/2013
63	1199-15 PCT/EPO/DIV/UK	GB	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	11157819.1	10/11/2002	2332523	06/15/2011	2332523	09/11/2013
64	1199-15 PCT/EPO/France	FR	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	02801042.9	10/11/2002	1458367	04/17/2003	1458367	12/14/2011

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
65	1199-15 PCT/EPO/Germany	DE	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	02801042.9	10/11/2002	1458367	04/17/2003	1458367	12/14/2011
66	1199-15 PCT/EPO/Ireland	IE	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	02801042.9	10/11/2002	1458367	04/17/2003	1458367	12/14/201
67	1199-15 PCT/EPO/Switzerland	CH	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	02801042.9	10/11/2002	1458367	04/17/2003	1458367	12/14/201
68	1199-15 PCT/EPO/UK	GB	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	02801042.9	10/11/2002	1458367	04/17/2003	1458367	12/14/2011
69	1199-15 PCT/Japan	JP	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	2003-533915	10/11/2002	2005-536443	12/02/2005	4879458	12/09/2011
70	1199-15 PCT/Japan/DIV	JP	Granted	10/11/2022	Uniform Films For Rapid Dissolve Dosage Form Incorporating Taste-Masking Compositions	2011-51478	03/09/2011	2011-140507	07/21/2011	5144776	11/30/2012
71	1199-24 Ireland	IE	Granted	10/11/2022	Method For Testing Uniformity In A Film Manufacturing Process	2003/0269	04/09/2003			83877	04/20/2005
72	1199-26 CIP/PCT/Japan	JP	Granted	10/11/2022	Polymer-Based Films and Drug Delivery Systems Made Therefrom	2009-549585	01/25/2008	2010-518241	07/02/2014	5538905	05/09/2014
73	1199-26 DIV	US	Granted	10/10/2023	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	12/107,389	04/22/2008	2008-0260809	10/23/2008	8,017,150	09/13/2011
74	1199-26 PCT/Australia	AU	Granted	5/28/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	2004319243	05/28/2004	2004-319243	01/12/2006	2004319243	06/03/2010
75	1199-26 PCT/Canada	CA	Granted	5/28/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	2,544,776	05/28/2004	CA2544776	03/23/2006	2,544,776	04/15/2014
76	1199-26 PCT/China	CN	Granted	5/27/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	200480017896.9	05/28/2004	CN 1812773A	08/02/2006	CN1812773A	06/27/2012
77	1199-26 PCT/India	IN	Granted	5/28/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	2661/KOLNP/2005	05/28/2004	2661/KOLNP/05	10/27/2006	239799	03/31/2010
78	1199-26 PCT/Japan	JP	Granted	5/28/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	2006-535323	05/28/2004	2007-500252	01/11/2007	4795962	08/05/2011
79	1199-26 PCT/Mexico	MX	Granted	5/28/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	PA/a/2005/012815	05/28/2004		03/13/2012	328604	03/18/2015
80	1199-26 RCE	US	Granted	6/21/2024	Polyethylene Oxide-Based Films and Drug Delivery Systems Made Therefrom	10/856,176	05/28/2004	2005-0037055A1	02/17/2005	7,666,337	02/23/2010
81	1199-26 RCE/CON II/ A II	US	Granted	2/14/2022	PROCESS FOR MAKING A FILM HAVING A SUBSTANTIALLY UNIFORM DISTRIBUTION OF COMPONENTS	13/974,389	08/23/2013	2014-0000800A1	01/02/2014	8,900,497	12/02/2014
82	1199-26 RCE/CON II/ B II	US	Granted	2/14/2022	Films and Drug Delivery Systems Made Therefrom	13/974,401	08/23/2013	2014-0008831A1	01/09/2014	8,900,498	12/02/2014

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
83	1199-26 RCE/CON II/ C II	US	Granted	2/14/2022	Films and Drug Delivery Systems Made Therefrom	13/974,413	08/23/2013	2014-0008832A1	01/09/2014	9,108,340	08/18/2015
84	1199-36 RCE II	US	Granted	2/20/2024	Uniform Films For Rapid-Dissolve Dosage Form Incorporating Anti-Tacking Compositions	11/517,982	09/08/2006	2007-0122455A1	05/31/2007	8,765,167	07/01/2014
85	1199-36 RCE II/CON (5)	US	Granted	2/20/2024	Uniform Films For Rapid-Dissolve Dosage Form Incorporating Anti-Tacking Compositions	15/438,406	02/21/2017	2017-0189346	07/06/2017	9,855,221	01/02/2018
86	1199-37 PCT/Canada	CA	Granted	9/28/2025	Multi-Layer Films Having Uniformity Content	2,581,851	09/28/2005	2,581,851	04/13/2006	2,581,851	11/01/2016
87	1199-37 PCT/EPO/Denmark	DK	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
88	1199-37 PCT/EPO/France	FR	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
89	1199-37 PCT/EPO/Germany	DE	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
90	1199-37 PCT/EPO/Hungary	HU	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
91	1199-37 PCT/EPO/Ireland	IE	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
92	1199-37 PCT/EPO/Switzerland	CH	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
93	1199-37 PCT/EPO/UK	GB	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	05803856.3	09/28/2005	1799453	06/27/2007	1799453	09/05/2012
94	1199-37 PCT/Japan	JP	Granted	9/28/2025	MULTI-LAYER FILMS HAVING UNIFORM CONTENT	2007-534705	09/28/2005	2011-50394	03/17/2011	5160229	12/21/2012
95	1199-38 RCE II	US	Granted	12/5/2024	Pacifier With Thin-Film Reservoir And Method For Use Thereof	10/939,752	09/13/2004	2006-0058845A1	03/16/2006	7,500,984	03/10/2009
96	1199-43 RCE	US	Granted	1/10/2028	Edible Water-Soluble Film Containing A Foam Reducing Flavoring Agent	11/858,214	09/20/2007	2008-0075825	09/20/2007	7,972,618	07/05/2011
97	1199-44 CIP	US	Granted	2/2/2023	Film Compositions For Delivery Of Actives	12/779,316	05/13/2010	2010-0221309	09/02/2010	8,663,687	03/04/2014
98	1199-48	US	Granted	10/23/2024	pH Modulated Films For Delivery Of Actives	11/639,013	12/14/2006	2007-0149731A1	06/28/2007	7,910,641	03/22/2011
99	1199-48 PCT/EPO/Ireland	IE	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016
100	1199-48 PCT/EPO/France	FR	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016
101	1199-48 PCT/EPO/Germany	DE	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016
102	1199-48 PCT/EPO/United Kingdom	GB	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016
103	1199-48 PCT/EPO/Italy	IT	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
104	1199-48 PCT/EPO/Spain	ES	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016
105	1199-48 PCT/EPO/Switzerland	CH	Granted	12/14/2026	pH Modulated Films For Delivery Of Actives	6845545	12/14/2006	1968558	09/17/2008	1968558	12/28/2016
106	1199-52 PCT/Canada	CA	Granted	1/13/2030	Unit Assembly For Multiple Film Dosages, Apparatus, and Methods	2,749,564	01/13/2010	2,749,564	07/22/2010	2,749,564	11/15/2016
107	1199-52 PCT/EPO/Germany	DE	Granted	1/13/2030	UNIT ASSEMBLY FOR MULTIPLE FILM DOSAGES, APPARATUS, AND METHODS	10701586.9	01/13/2010			2387393	11/16/2016
108	1199-52 PCT/EPO/France	FR	Granted	1/13/2030	UNIT ASSEMBLY FOR MULTIPLE FILM DOSAGES, APPARATUS, AND METHODS	10701586.9	01/13/2010			2387393	11/16/2016
109	1199-52 PCT/EPO/Italy	IT	Granted	1/13/2030	UNIT ASSEMBLY FOR MULTIPLE FILM DOSAGES, APPARATUS, AND METHODS	10701586.9	01/13/2010			2387393	11/16/2016
110	1199-52 PCT/EPO/United Kingdom	UK	Granted	1/13/2030	UNIT ASSEMBLY FOR MULTIPLE FILM DOSAGES, APPARATUS, AND METHODS	10701586.9	01/13/2010			2387393	11/16/2016
111	1199-52 PCT/EPO/Spain	ES	Granted	1/13/2030	UNIT ASSEMBLY FOR MULTIPLE FILM DOSAGES, APPARATUS, AND METHODS	10701586.9	01/13/2010			2387393	11/16/2016
112	1199-55 PCT/Canada	CA	Granted	5/18/2027	Pouch Cutter	2,652,682	05/18/2007	2,652,682	11/29/2007	2,652,682	02/26/2013
113	1199-55 PCT/EPO/France	FR	Granted	5/18/2027	Dispenser Assembly And Pouch Cutter	07795185.3	05/18/2007	2023779	02/18/2009	2023779	04/30/2014
114	1199-55 PCT/EPO/Germany	DE	Granted	5/18/2027	Dispenser Assembly And Pouch Cutter	07795185.3	05/18/2007	2023779	02/18/2009	602007036384.5	04/30/2014
115	1199-55 PCT/EPO/Ireland	IE	Granted	5/18/2027	Dispenser Assembly And Pouch Cutter	07795185.3	05/18/2007	2023779	02/18/2009	2023779	04/30/2014
116	1199-55 PCT/EPO/Italy	IT	Granted	5/18/2027	Dispenser Assembly And Pouch Cutter	07795185.3	05/18/2007	2023779	02/18/2009	2023779	04/30/2014
117	1199-55 PCT/EPO/Spain	ES	Granted	5/18/2027	Dispenser Assembly And Pouch Cutter	07795185.3	05/18/2007	2023779	02/18/2009	2023779	04/30/2014
118	1199-55 PCT/EPO/UK	GB	Granted	5/18/2027	Dispenser Assembly And Pouch Cutter	07795185.3	05/18/2007	2023779	02/18/2009	2023779	04/30/2014
119	1199-55 PCT/Japan	JP	Granted	5/18/2027	Pouch Cutter	2009-511115	05/18/2007	2009-537235	10/29/2009	5265527	05/10/2013
120	1199-55 RCE II	US	Granted	9/18/2028	Pouch Cutter	11/804,385	05/18/2007	2007-0267433A1	11/22/2007	8,393,255	03/12/2013
121	1199-56 PCT/China	CN	Granted	6/28/2027	Packet Dispenser	200780024532.7	06/29/2007	CN101479160A	07/08/2009	200780024532.7	04/10/2013
122	1199-56 PCT/EPO/DIV/France	FR	Granted	6/29/2027	Packet Dispenser	10195880.9	06/29/2007	2301856	03/30/2011	2301856	07/24/2013
123	1199-56 PCT/EPO/DIV/ Germany	DE	Granted	6/29/2027	Packet Dispenser	10195880.9	06/29/2007	2301856	03/30/2011	602007031932.3	07/24/2013
124	1199-56 PCT/EPO/DIV/Ireland	IE	Granted	6/29/2027	Packet Dispenser	10195880.9	06/29/2007	2301856	03/30/2011	2301856	07/24/2013
125	1199-56 PCT/EPO/DIV/Italy	IT	Granted	6/29/2027	Packet Dispenser	10195880.9	06/29/2007	2301856	03/30/2011	2301856	07/24/2013

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
126	1199-56 PCT/EPO/DIV/Spain	ES	Granted	6/29/2027	Packet Dispenser	10195880.9	06/29/2007	2301856	03/30/2011	2301856	07/24/2013
127	1199-56 PCT/EPO/DIV/UK	GB	Granted	6/29/2027	Packet Dispenser	10195880.9	06/29/2007	2301856	03/30/2011	2301856	07/24/2013
128	1199-56 PCT/EPO/France	FR	Granted	6/29/2027	Packet Dispenser	07796593.7	06/29/2007	2035290	03/18/2009	2035290	03/09/2011
129	1199-56 PCT/EPO/Germany	DE	Granted	6/29/2027	Packet Dispenser	07796593.7	06/29/2007	602007013043.3	03/18/2009	2035290	03/09/2011
130	1199-56 PCT/EPO/Italy	IT	Granted	6/29/2027	Packet Dispenser	07796593.7	06/29/2007	0002035290	03/18/2009	2035290	03/09/2011
131	1199-56 PCT/EPO/Spain	ES	Granted	6/29/2027	Packet Dispenser	07796593.7	06/29/2007	ES2363630T3	07/08/2011	2035290	03/09/2011
132	1199-56 PCT/EPO/Switzerland	CH	Granted	6/29/2027	Packet Dispenser	07796593.7	06/29/2007	2035290	03/18/2009	2035290	03/09/2011
133	1199-56 PCT/EPO/UK	GB	Granted	6/29/2027	Packet Dispenser	07796593.7	06/29/2007	2035290	03/18/2009	2035290	03/09/2011
134	1199-56 PCT/Japan	JP	Granted	6/29/2027	Packet Dispenser	2009-518299	06/29/2007	2009-542336	12/03/2009	5500581	03/20/2014
135	1199-63 PCT/Canada	CA	Granted	2/28/2027	Packet Structure, Such As For A Film Strip	2,679,928	02/28/2008	CA2679928	09/12/2008	2,679,928	03/31/2015
136	1199-63 PCT/China	CN	Granted	2/27/2028	Packet Structure, Such As For A Film Strip	200880012681.6	02/28/2008	CN101663213A	03/03/2010	200880012681.6	06/27/2012
137	1199-63 PCT/EPO/France	FR	Granted	2/28/2027	Packet Structure, Such As For A Film Strip	08726226.7	02/28/2008	2125561	12/02/2009	2125561	09/21/2011
138	1199-63 PCT/EPO/Germany	DE	Granted	2/28/2027	Packet Structure, Such As For A Film Strip	08726226.7	02/28/2008	2125561	12/02/2009	2125561	09/21/2011
139	1199-63 PCT/EPO/Switzerland	CH	Granted	2/28/2027	Packet Structure, Such As For A Film Strip	08726226.7	02/28/2008	2125561	12/02/2009	2125561	09/21/2011
140	1199-63 PCT/EPO/UK	GB	Granted	2/28/2027	Packet Structure, Such As For A Film Strip	08726226.7	02/28/2008	2125561	12/02/2009	2125561	09/21/2011
141	1199-63 PCT/Japan	JP	Granted	2/28/2027	Packet Structure, Such As For A Film Strip	2009-552695	02/28/2008	2010-520128	06/10/2010	5344437	08/23/2013
142	1199-65 PCT/EPO/France	FR	Granted	9/1/2030	Unit Assembly And Method Of Making Same	10752504.0	09/01/2010	2473420	07/11/2012	2473420	04/30/2014
143	1199-65 PCT/EPO/Germany	DE	Granted	9/1/2030	Unit Assembly And Method Of Making Same	10752504.0	09/01/2010	2473420	07/11/2012	2473420	04/30/2014
144	1199-65 PCT/EPO/UK	GB	Granted	9/1/2030	Unit Assembly And Method Of Making Same	10752504.0	09/01/2010	2473420	07/11/2012	2473420	04/30/2014
145	1199-65 RCE II	US	Granted	1/12/2031	Unit Assembly And Method Of Making Same	12/873,834	09/01/2010	2011-0056934A1	03/10/2011	9,150,341	10/06/2015
146	1199-70 RCE II	US	Granted	11/22/2027	Packaged Film Dosage Unit Containing A Complexate	11/731,139	03/30/2007	2008-0242736	10/02/2008	8,568,777	10/29/2013
147	1199-74 RCE II	US	Granted	10/19/2027	Film Delivery System For Tetrahydrolipstatin	11/975,584	10/19/2007	2009-0104270A1	04/23/2009	8,298,583	10/30/2012
148	1199-74 RCE II/CON	US	Granted	10/19/2027	Film Delivery System For Tetrahydrolipstatin	13/588,267	08/17/2012	2013-0035378A1	02/07/2013	8,663,696	03/04/2014

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
149	1199-81 PCT/Canada	CA	Granted	10/28/2030	Process For Analyzing And Establishing Dosage Size In An Ingestible Film	2,818,931	10/28/2011	2,818,931	05/03/2012	2,818,931	11/19/2018
150	1199-81 PCT/EPO/France	FR	Granted	10/28/2030	Process For Analyzing And Establishing Dosage Size In An Ingestible Film	11837163.2	10/28/2011	2632440	09/04/2013	2632440	06/12/2019
151	1199-81 PCT/EPO/Germany	DE	Granted	10/28/2030	Process For Analyzing And Establishing Dosage Size In An Ingestible Film	11837163.2	10/28/2011	2632440	09/04/2013	2632440	06/12/2019
152	1199-81 PCT/EPO/Italy	IT	Granted	10/28/2030	Process For Analyzing And Establishing Dosage Size In An Ingestible Film	11837163.2	10/28/2011	2632440	09/04/2013	2632440	06/12/2019
153	1199-81 PCT/EPO/UK	GB	Granted	10/28/2030	Process For Analyzing And Establishing Dosage Size In An Ingestible Film	11837163.2	10/28/2011	2632440	09/04/2013	2632440	06/12/2019
154	1199-81 PCT/Japan	JP	Granted	10/29/2030	Process For Analyzing And Establishing Dosage Size In An Ingestible Film	2013-536869	10/28/2011	2013-542943	11/28/2013	6087827	02/10/2017
155	1199-82 A/PCT/China	CN	Granted	8/4/2030	Sublingual And Buccal Film Compositions	201080039854.0	08/05/2010	CN102481250A	05/30/2012	201080039854.0	10/19/2016
156	1199-82 A/PCT/Japan	JP	Granted	8/5/2030	Sublingual And Buccal Film Compositions	2012-523938	08/05/2010	2013-501718	01/17/2013	5752122	05/29/2015
157	1199-83	US	Granted	8/29/2030	Method For Manufacturing Edible Film	12/334,906	12/15/2008	2010-0150987	06/17/2010	8,282,954	10/09/2012
158	1199-83 Canada	CA	Granted	12/4/2029	METHOD FOR MANUFACTURING EDIBLE FILM	2,687,017	12/04/2009	2,687,017	06/15/2010	2,687,017	04/18/2017
159	1199-83 EPO/FRANCE	FR	Granted	12/14/2029	METHOD FOR MANUFACTURING EDIBLE FILM	09179080.8	12/14/2009			2196198	09/09/2015
160	1199-83 EPO/GERMANY	DE	Granted	12/14/2029	METHOD FOR MANUFACTURING EDIBLE FILM	09179080.8	12/14/2009			2196198	09/09/2015
161	1199-83 EPO/ITALY	IT	Granted	12/14/2029	METHOD FOR MANUFACTURING EDIBLE FILM	09179080.8	12/14/2009			2196198	09/09/2015
162	1199-83 EPO/SPAIN	ES	Granted	12/14/2029	METHOD FOR MANUFACTURING EDIBLE FILM	09179080.8	12/14/2009			2196198	09/09/2015
163	1199-83 EPO/UK	GB	Granted	12/14/2029	METHOD FOR MANUFACTURING EDIBLE FILM	09179080.8	12/14/2009			2196198	09/09/2015
164	1199-83 PCT/Japan	JP	Granted	12/11/2029	Method For Manufacturing Edible Film	2011-540927	12/11/2009	2012-512167	05/31/2012	5719778	03/27/2015
165	1199-103 RCE/CON	US	Granted	7/13/2030	Stabilized Amine-Containing Activities In Oral Film Compositions	14/635,851	03/02/2015	2015-0174106	06/25/2015	9,095,577	08/04/2015
166	1199-106 RCE	US	Granted	12/19/2031	Device And System For Determining, Preparing And Administering Therapeutically Effective Doses	12/711,899	02/24/2010	2011-0208348A1	08/25/2011	9,095,495	08/04/2015
167	1199-106 PCT/Canada	CA	Granted	2/23/2031	Device And System For Determining, Preparing And Administering Therapeutically Effective Doses	2,809,784	02/23/2011	2,809,784	09/01/2011	2,809,784	01/30/2018

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
168	1199-107 PCT/Australia	AU	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	2011215823	02/10/2011	2011215823	09/06/2012	2011215823	01/08/2015
169	1199-107 PCT/Canada	CA	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	2,789,536	02/10/2011	2,789,536	08/18/2011	2,789,536	04/16/201
170	1199-107 PCT/China	CN	Granted	2/9/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	201180018277.1	02/10/2011	CN102834087A	12/19/2012	201180018277.1	04/01/201
171	1199-107 PCT/EPO/France	FR	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	11742787.2	02/10/2011	2533769	12/19/2012	2533769	04/10/2019
172	1199-107 PCT/EPO/Germany	DE	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	11742787.2	02/10/2011	2533769	12/19/2012	2533769	04/10/2019
173	1199-107 PCT/EPO/Ireland	IE	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	11742787.2	02/10/2011	2533769	12/19/2012	2533769	04/10/2019
174	1199-107 PCT/EPO/Italy	IT	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	11742787.2	02/10/2011	2533769	12/19/2012	2533769	04/10/2019
175	1199-107 PCT/EPO/Spain	ES	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	11742787.2	02/10/2011	2533769	12/19/2012	2533769	04/10/2019
176	1199-107 PCT/EPO/UK	UK	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	11742787.2	02/10/2011	2533769	12/19/2012	2533769	04/10/2019
177	1199-107 PCT/Japan	JP	Granted	2/10/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	2012-552996	02/10/2011	2013-527135	06/27/2013	6267426	01/05/2018
178	1199-107 RCE	US	Granted	12/18/2031	Method And System For Optimizing Film Production And Minimizing Film Scrap	12/753,152	04/02/2010	2011-0196525A1	08/11/2011	8,577,488	11/05/2013
179	1199-112 PCT/Canada	CA	Granted	4/5/2032	Dual Lane Coating	2,832,715	04/05/2012	2,832,715	10/18/2012	2,832,715	05/10/2016
180	1199-112 PCT/Japan	JP	Granted	4/5/2032	Dual Lane Coating	2014-505193	04/05/2012	2014-518550	07/31/2014	5937676	05/20/2016
181	1199-112 PCT/ South Korea	KR	Granted	4/5/2032	Dual Lane Coating	10-2013-7029542	04/05/2012	10-2013-7029542	03/06/2014	10-2013-7029542	01/04/2019
182	1199-113 Canada	CA	Ganted	2/1/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	2,731,000	02/01/2011	2,731,000	08/09/2011	2,731,000	09/19/2017
183	1199-113 China	CN	Granted	2/8/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	201110036344.4	02/09/2011	CN102145780A	08/10/2011	201110036344.4	08/10/2016
184	1199-113 EPO/France	FR	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016
185	1199-113 EPO/Germany	DE	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
186	1199-113 EPO/Ireland	IE	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016
187	1199-113 EPO/Italy	IT	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016
188	1199-113 EPO/Spain	ES	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016
189	1199-113 EPO/Switzerland	CH	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016
190	1199-113 EPO/United Kingdom	GB	Granted	2/9/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	11153848.4	02/09/2011	2354034	08/10/2011	2354034	07/13/2016
191	1199-113 Japan	JP	Granted	2/8/2031	Method For Guided Tearing Of Pouch Laminate To Enable Product Removal	2011-040783	02/08/2011	2011-162266	08/25/2011	6046877	11/25/2016
192	1199-115	US	Granted	6/1/2032	USE OF DAMS TO IMPROVE YIELD IN FILM PROCESSING	12/711,883	02/24/2010	2011-0206851A1	08/25/2011	8,956,685	02/17/2015
193	1199-117 RCE	US	Granted	9/21/2031	Method And System For Forming A Phamaceutical Product Directly Onto A Packaging Surface	13/238,024	09/21/2011	2012-0076921A1	03/29/2012	8,936,825	01/20/2015
194	1199-117 RCE/CON	US	Granted	9/21/2031	METHOD AND SYSTEM FOR FORMING A PHARMACEUTICAL PRODUCT DIRECTLY ONTO A PACKAGING SURFACE	14/597,593	01/15/2015	2015-0150825A1	06/04/2015	9,561,191	02/07/2017
195	1199-117 PCT/Australia	AU	Granted	9/21/2031	Method And System For Forming A Phamaceutical Product Directly Onto A Packaging Surface	2011305600	09/21/2011	2011305600	05/23/2013	2011305600	09/01/2016
196	1199-117 PCT/Canada	CA	Granted	9/12/2031	METHOD AND SYSTEM FOR FORMING A PHARMACEUTICAL PRODUCT DIRECTLY ONTO A PACKAGING SURFACE	2,815,568	09/21/2011	2,815,568	03/29/2012	2,815,568	10/09/2018
197	1199-117 PCT/India	IN	Grnatyed	9/21/2031	Method And System For Forming A Phamaceutical Product Directly Onto A Packaging Surface	3552/DELNP/2013	09/21/2011	TBD	11/14/2014	305,182	01/01/2019
198	1199-117 PCT/ South Korea	KR	Granted	9/21/2031	Method And System For Forming A Phamaceutical Product Directly Onto A Packaging Surface	10-2013-7010370	09/21/2011	10-2013-7010370	02/05/2014	10-1802553	11/22/2017
199	1199-119	US	Granted	8/2/2032	Manufacturing Of Small Film Strips	12/909,995	10/22/2010	2012-0100202A1	04/26/2012	9,149,959	10/06/2015
200	1199-119 CON	US	Granted	10/22/2030	MANUFACTURING OF SMALL FILM STRIPS	14/872,672	10/01/2015	2016-0089826	03/31/2016	10,272,607	04/30/2019
201	1199-119 PCT/China	CN	Granted	10/20/2031	Manufacturing Of Small Film Strips	201180056133.5	10/21/2011	CN103298590A	09/11/2013	201180056133.5	03/16/2016
202	1199-119 PCT/EPO/France	FR	Granted	10/21/2031	Manufacturing Of Small Film Strips	11835203.8	10/21/2011	2629947	08/28/2013	2629947	04/10/2019
203	1199-119 PCT/EPO/Germany	DE	Granted	10/21/2031	Manufacturing Of Small Film Strips	11835203.8	10/21/2011	2629947	08/28/2013	2629947	04/10/2019
204	1199-119 PCT/EPO/Ireland	IE	Granted	10/21/2031	Manufacturing Of Small Film Strips	11835203.8	10/21/2011	2629947	08/28/2013	2629947	04/10/2019

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
205	1199-119 PCT/EPO/Italy	IT	Granted	10/21/2031	Manufacturing Of Small Film Strips	11835203.8	10/21/2011	2629947	08/28/2013	2629947	04/10/2019
206	1199-119 PCT/EPO/Spain	ES	Granted	10/21/2031	Manufacturing Of Small Film Strips	11835203.8	10/21/2011	2629947	08/28/2013	2629947	04/10/2019
207	1199-119 PCT/EPO/UK	GB	Granted	10/21/2031	Manufacturing Of Small Film Strips	11835203.8	10/21/2011	2629947	08/28/2013	2629947	04/10/2019
208	1199-119 PCT/Japan	JP	Granted	10/21/2031	Manufacturing Of Small Film Strips	2013-535110	10/21/2011	2013-540161	10/31/2013	5977751	07/29/2016
209	1199-119 PCT/ South Korea	KR	Granted	10/21/2031	Manufacturing Of Small Film Strips	10-2013-7012954	10/21/2011	10-2013-7012954	02/25/2014	10-1937457	01/04/2019
210	1199-130	US	Granted	4/14/2033	Reduction In Stress Cracking Of Films	13/844,423	03/15/2013	2014-0262893A1	09/18/2014	9,346,601	10/26/2017
211	1199-130 DIV	US	Granted	3/15/2033	Reduction In Stress Cracking Of Films	15/160,606	05/20/2016	2016-0264330	06/15/2016	9,771,173	09/26/2017
212	1199-141	US	Granted	6/24/2031	Biocompatibile Film With Variable Cross-Sectional Properties	13/168,576	06/24/2011			8,241,661	08/14/2012
213	1199-141 CON	US	Granted	6/24/2031	Biocompatibile Film With Variable Cross-Sectional Properties	13/572,775	08/13/2012	2012-0328688A1	12/27/2012	8,617,589	12/31/2013
214	1199-141 PCT/Australia	AU	Granted	5/4/2032	Biocompatibile Film With Variable Cross-Sectional Properties	2012273428	05/04/2012	20120273428	12/27/2012	2012273428	05/04/2016
215	1199-141 PCT/ South Korea	KR	Granted	5/4/2032	Biocompatibile Film With Variable Cross-Sectional Properties	10-2014-7001607	05/04/2012	10-2014-7001607	04/09/2014	10-1971457	04/17/2019
216	1199-143 CON	US	Granted	3/26/2030	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	14/196,082	03/04/2013	2014-0271789A1	09/18/2014	9,511,033	12/06/2016
217	1199-143 CON (4)	US	Granted	10/11/2022	Sublingual And Buccal Film Compositions	16/163,029	10/17/2018	2019-0046411	02/14/2019	10,285,910	05/14/2019
218	1199-143 PCT/AUSTRALIA	AU	Granted	3/14/2034	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	2014227693	03/14/2014	2014227693	10/29/2015	20144227693	10/04/2018
219	1199-143 PCT/JAPAN	JP	Granted	3/14/2034	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	2016-502836	03/14/2014	2016-513736	05/16/2016	6448096	12/14/2018
220	1199-143 PCT/EPO	EP	Granted	3/14/2034	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	14721650.1	03/14/2014	2968121	01/20/2016	2968121	12/19/2018
221	1199-148	US	Granted	11/24/2033	A Process For Drying A Wet-Film With Control Of Loss On Drying	13/838,522	03/15/2013	2014-0277687A1	09/18/2014	9,303,918	04/05/2016
222	1199-148 PCT/CHINA	CN	Granted	3/12/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	201480028216.7	03/13/2014	CN105229401A	01/06/2016	201480028216.7	09/08/2017
223	1199-148 PCT/EPO/France	FR	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017
224	1199-148 PCT/EPO/Germany	DE	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017
225	1199-148 PCT/EPO/Ireland	IE	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
226	1199-148 PCT/EPO/Italy	IT	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017
227	1199-148 PCT/EPO/Spain	ES	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017
228	1199-148 PCT/EPO/Switzerland	CH	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017
229	1199-148 PCT/EPO/UK	GB	Granted	3/13/2034	A PROCESS FOR DRYING A WET-FILM WITH CONTROL OF LOSS ON DRYING	14721619.6	03/13/2014	2972034	01/20/2016	2972034	10/04/2017
230	**Aquestive Therapeutics, Inc./Midatech Limited Co-Owned (listed below)**										
231	1199-118 B	US	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	13/157,836	06/10/2011	2012-0009260	01/12/2012	8,974,826	03/10/2015
232	1199-118 B/PCT/Australia	AU	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	2011265294	06/10/2011	2011265294	01/31/2013	2011265294	05/07/2015
233	1199-118 B/PCT/Canada	CA	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	2,807,271	06/10/2011	2,807,271	12/15/2011	2,807,271	07/31/2018
234	1199-118 B/PCT/China	CN	Ganted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	201180035110.6	06/10/2011	CN103209681A	07/17/2013	201180035110.6	05/24/2017
235	1199-118 B/PCT/EPO/France	FR	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
236	1199-118 B/PCT/EPO/Germany	DE	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
237	1199-118 B/PCT/EPO/Italy	IT	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
238	1199-118 B/PCT/EPO/Netherlands	NL	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
239	1199-118 B/PCT/EPO/Spain	ES	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
240	1199-118 B/PCT/EPO/Sweden	SE	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
241	1199-118 B/PCT/EPO/UK	GB	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	11726032.3	06/10/2011	2579844	04/17/2013	2579844	02/24/2016
242	1199-118 B/PCT/Japan	JP	Granted	6/10/2031	NANOPARTICLE FILM DELIVERY SYSTEMS	2013-514387	06/10/2011	2013-528227	07/08/2013	5819949	10/09/2015
243	1199-129	US	Granted	6/10/2031	Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	13/492,040	06/08/2012	2012-0301535	11/29/2012	8,790,704	07/29/2014
244	1199-129 DIV	US	Granted	7/20/2031	Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	14/048,286	10/08/2013	2015-0099698	04/09/2015	9,474,687	10/25/2016
245	1199-129 PCT/Australia	AU	Granted	6/8/2032	Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	2012267605	06/08/2012	2012267605	12/13/2012	2012267605	09/24/2015

Aquestive Therapeutics, Inc. Patents

	A	B	C	D	E	F	G	H	I	J	K
1	**Docket No.**	**Country**	**Status**	**Expiration Date**	**Title**	**Appln. No.**	**Appln. Date**	**Publ. No.**	**Publ. Date**	**Pat. No.**	**Issue Date**
246	1199-129 PCT/China	CN	Granted	6/7/2032	Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	201280036039.8	06/08/2012	CN103732215A	04/16/2014	201280036039.8	07/11/2017
247	1199-129 PCT/EPO	EP	Granted	6/8/2032	Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	12796229.8	06/08/2012	2717858	04/16/2014	2717858	07/12/2018
248	1199-129 PCT/Japan	JP	Granted	6/8/2032	Combination Peptide-Nanoparticles And Delivery Systems Incorporating Same	2014-514884	06/08/2012	2014-522412	07/08/2013	6040231	11/11/2016
249											
250	**Steptoe Responsible Cases**										
251	18460.0027C1	US	Granted	8/7/2029	SUBLINGUAL AND BUCCAL FILM COMPOSITIONS	15/069,875	03/14/2016	2017-035689	02/09/2017	10,034,833	07/31/2018