

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7520602

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ZEALAND PHARMA A/S	08/01/2022
RECEIVING PARTY DATA		
Name:	MANKIND CORPORATION	
Street Address:	1 CASPER STREET	
City:	DANBURY	
State/Country:	CONNECTICUT	
Postal Code:	06810	
PROPERTY NUMBERS Total: 44		
Property Type	Number	
Application Number:	12336246	
Application Number:	14809436	
Application Number:	10831354	
Application Number:	12762307	
Application Number:	12336363	
Application Number:	29361753	
Application Number:	11175990	
Application Number:	12295173	
Application Number:	13013379	
Application Number:	13719481	
Application Number:	15597981	
Application Number:	12336395	
Application Number:	29428565	
Application Number:	14341879	
Application Number:	29458166	
Application Number:	15164985	
Application Number:	14156514	
Application Number:	13500136	
Application Number:	15696646	
Application Number:	14790044	

PATENT

Property Type	Number
Application Number:	13156839
Application Number:	12773679
Application Number:	14259897
Application Number:	14786009
Application Number:	15106853
Application Number:	15728706
Application Number:	15512907
Application Number:	29740176
Application Number:	15739194
Application Number:	29771869
Application Number:	29740199
Application Number:	16615150
Application Number:	15947456
Application Number:	29772317
Application Number:	17491949
Application Number:	15299678
Application Number:	16687017
Application Number:	17842564
Application Number:	16783609
Application Number:	16940514
Application Number:	16388342
Application Number:	17670262
Application Number:	16627577
Application Number:	17633379

CORRESPONDENCE DATA

Fax Number:

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.

Email: susanne.mertens@morganlewis.com

Correspondent Name: MORGAN LEWIS & BOCKIUS LLP

Address Line 1: 1701 MARKET STREET

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	126985-01-5000
NAME OF SUBMITTER:	SUSANNE MERTENS
SIGNATURE:	/Susanne Mertens/
DATE SIGNED:	09/02/2022

Total Attachments: 9
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THIS ASSIGNMENT effective 30 June 2022 is made BETWEEN

ZEALAND PHARMA A/S of Sydmarken 11, 2860 Søborg, Denmark

(hereinafter "the Assignor")

and

MANKIND CORPORATION of 1 Casper Street, Danbury, Connecticut, 06810, United States of America
(Business Authoritative Legal Entity Identifier (ALEI): 0702023)

(hereinafter "the Assignee")

(the Assignor and the Assignee being jointly referred to as "the Parties")

CONFIRMATION OF ASSIGNMENT

(A) The Parties hereby confirm that:

(i) The Assignor owns all rights in the intellectual property matters (*the IP*) listed in the attached Schedule 1.1(h) (*the Schedule*), and also owns all rights in any cloned intellectual property matters resulting therefrom (also forming *the IP*) as created by the UK Intellectual Property Office as a result of the United Kingdom's final departure from the European Union.

(ii) That by virtue of a pre-existing agreement between the Assignor and the Assignee dated 17 May 2022, the rights in the IP, including the right to file any further applications from any of this IP, were transferred to the Assignee; and

(iii) The Assignee owns all rights in the IP, including the right to file any further applications from any of this IP.

AND NOW THIS ASSIGNMENT WITNESSES:

(B) If and to the extent that any of (i) to (iii) listed in clause (A) above is deemed to be ineffective, then:

in consideration of the sum of one-pound sterling (£1.00) and other good and valuable consideration paid by the Assignee to the Assignor (the receipt of which is hereby acknowledged);

The Assignor hereby assigns absolutely with full title guarantee all legal and equitable interests in the IP, including any and all rights to apply for and obtain patents or other forms of IP protection in respect of the IP in all countries of the world (including also, but not limited to, registered designs, design patents, and utility models), including any and all rights to make any new IP application or applications in respect of any part of the subject matter of any application or specification filed in connection with the IP, including all rights to claim priority of any such applications and any and all rights to extend any such application, patent or other form of protection to any other country of the world, and including the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of all infringements of the IP whether such infringements take place before or after the effective date of this assignment TO HOLD the same unto the Assignee absolutely;

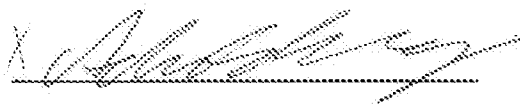
The Assignor undertakes to execute documents and perform other acts reasonably required to enable the Assignee to enjoy the full benefit of the property and rights and to apply for and effectively vest in patents and other rights in respect of the assigned rights throughout the world.

This Assignment shall be governed by and construed in accordance with English law and each party agrees to submit to the exclusive jurisdiction of the courts of England and Wales.

This Assignment may be completed in counterpart form.

IN WITNESS of which the Parties have executed this Assignment

EXECUTED for and on behalf of
ZEALAND PHARMA A/S

Signature: 

Name: ADAM STEINGOLD

Capacity: PRESIDENT & CEO

Date: 01-11-2022

EXECUTED for and on behalf of
MANNKIND CORPORATION

Signature: _____

Name: _____

Capacity: _____

Date: _____

This Assignment shall be governed by and construed in accordance with English law and each party agrees to submit to the exclusive jurisdiction of the courts of England and Wales.

This Assignment may be completed in counterpart form.

IN WITNESS of which the Parties have executed this Assignment

EXECUTED for and on behalf of
ZEALAND PHARMA A/S

Signature: _____

Name: _____

Capacity: _____

Date: _____

EXECUTED for and on behalf of
MANKIND CORPORATION

Signature: Michael Castagna

Name: Michael Castagna

Capacity: CEO

Date: 6/30/22

IP Schedule 1.1 (h) - Patents, Patent Applications and Designs

156-CA-PCT-01	CANADA	2750641	04/05/2010	2750641	05/04/2017
156-CN-DIV-02	CHINA	201410204112.90	04/05/2010	ZL201410204112.9	15/03/2017
156-CN-PCT-01	CHINA	201060029611.90	04/05/2010	ZL201060029611.9	05/08/2014
156-DE-VAL-01	GERMANY	10772721.6	04/05/2010	80 2010 046 970.5	05/11/2017
156-EP-DIV-02	EUROPE	17196614.9	04/05/2010		
156-EP-PCT-01	EUROPE	10772721.6	04/05/2010	2427237	06/11/2017
156-ES-VAL-01	SPAIN	10772721.6	04/05/2010	2427237	05/11/2017
156-FR-VAL-01	FRANCE	10772721.6	04/05/2010	2427237	05/11/2017
156-GB-VAL-01	UNITED KINGDOM	10772721.6	04/05/2010	2427237	05/11/2017
156-HK-EXT-01	HONG KONG	12108444.1	04/05/2010	HK11167521	05/06/2014
156-IN-PCT-01	INDIA	8194/DELNP/2011	04/05/2010	364742	15/04/2021
156-IT-VAL-01	ITALY	10772721.6	04/05/2010	2427237	05/11/2017
156-KR-PCT-01	SOUTH KOREA	10-2011-7029818	04/05/2010	10-1715421	05/03/2017
	Japan	JP2012509830	2010-05-04	JP5546278	2014-12-24
	Japan	JP2014087852	2014-04-22		
	Japan	JP2016186016	2016-08-31	JP5646278	2018-03-20
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156-US-CON-03	UNITED STATES	14156514	16/01/2014	9376224	28/06/2016
156-US-CON-04	UNITED STATES	15164965	26/03/2016	9833863	05/12/2017
156-US-NOR-02	UNITED STATES	12773879	04/05/2010	6607996	11/03/2014
156-US-PRD-01	UNITED STATES	61175320	04/05/2009		
156-WO-NOR-01	WIPO	PCT/US2010/033590	04/05/2010		
157-AU-DIV-02	AUSTRALIA	2014202902	12/10/2010	2014202902	07/06/2016
157-AU-DIV-03	AUSTRALIA	2015202656	12/10/2010	2015202656	13/10/2010
157-AU-DIV-04	AUSTRALIA	2016216561	12/10/2010	2016216561 B2	01/03/2018
157-AU-DIV-06	AUSTRALIA	2019232930	12/10/2010	2019232930	29/04/2021
157-AU-PCT-01	AUSTRALIA	2010307002	12/10/2010	2010307002	21/06/2014
157-CA-DIV-02	CANADA	2536768	12/10/2010	2536768	08/01/2019
157-CA-PCT-01	CANADA	2776037	12/10/2010	2776037	13/09/2016
157-CN-DIV-02	CHINA	201410634901.5	12/10/2010	ZL201410634901.5	11/09/2017
157-CN-DIV-03	CHINA	20141063586.7	12/10/2010	ZL20141063586.7	26/04/2017
157-CN-DIV-04	CHINA	201410634903.50	12/10/2010	ZL201410634903.5	19/12/2017
157-CN-PCT-01	CHINA	201060046063.0	12/10/2010	ZL201060046063.0	17/12/2014
157-DE-VAL-01	GERMANY	10823957.5	12/10/2010	EP2468203	01/05/2019
157-DE-VAL-02	GERMANY	19163115.3	12/10/2010	EP3549624 / 80 2010 066 196.7	16/12/2020
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157-GB-VAL-01	UNITED KINGDOM	10823957.5	12/10/2010	EP2468203	01/05/2019
157-GB-VAL-02	UNITED KINGDOM	19163115.3	12/10/2010	EP3549624	16/12/2020
157-HK-EXT-01	HONG KONG	12102796.7	12/10/2010	HK1173725B	28/10/2015
157-IL-PCT-01	ISRAEL	213654	12/10/2010	213654	01/09/2016
157-IN-PCT-01	INDIA	28060JELNP/2012	12/10/2010		
157-IT-VAL-01	ITALY	10823957.5	12/10/2010	EP2468203	01/05/2019
157-IT-VAL-02	ITALY	19163115.3	12/10/2010	EP3549624	16/12/2020
157-KR-DIV-03	SOUTH KOREA	10-2017-7014322	12/10/2010	10-1869795	11/06/2018
157-KR-PCT-01	SOUTH KOREA	10-2012-7008581	12/10/2010	10-1857390	04/05/2018
157-SG-PCT-01	SINGAPORE	201201793-8	12/10/2010	179126	28/11/2014
	Japan	JP2012534265	2010-10-12	JP5746209	05/05/07-15
	Japan	JP2015020930	2015-02-05	JP6126989	06/17-06-26

		Japan	JP2017092596	2017-03-28	JF6617963	2016-03-22
		Japan	JP2016075455	2016-04-18		
167-US-COR-04		UNITED STATES	14796044	02/07/2016	5886731	15/06/2015
167-US-COR-05		UNITED STATES	15847486	08/04/2018	19933186	02/03/2021
167-US-PCT-08		UNITED STATES	13660136	12/09/2012	9101796	11/06/2015
167-US-PRO-01		UNITED STATES	61261236	13/10/2009		
167-WO-NOR-01		WIPO	PCT/US2010/052162	12/10/2010		
168-AU-DIV-02		AUSTRALIA	2011201473	28/03/2007	2011201473	22/08/2015
168-AU-DIV-03		AUSTRALIA	2013231047	28/03/2007	2013231047	25/08/2015
168-AU-DIV-04		AUSTRALIA	2015207884	28/03/2007	2015207884	12/10/2017
168-AU-PCT-01		AUSTRALIA	2007233231	28/03/2007	2007233231	09/06/2011
168-CA-PCT-01		CANADA	2646324	28/03/2007	2646324	07/08/2016
168-CN-DIV-02		CHINA	201310119427.9	28/03/2007	ZL201310119427.9	26/06/2015
168-CN-PCT-01		CHINA	2.6079E+11	28/03/2007	ZL200790020245.9	19/08/2015
168-DE-VAL-01		GERMANY	07759576.3	28/03/2007	306598	17/02/2016
168-DE-VAL-02		GERMANY	15182150.1	28/03/2007	DE 60 2007 063 337.5	06/12/2017
168-EP-DIV-02		EUROPE	15182150.1	28/03/2007	3862398	06/12/2017
168-EP-PCT-01		EUROPE	07759576.3	28/03/2007	306598	17/02/2016
168-ES-VAL-01		SPAIN	07759576.3	28/03/2007	ES2566066	17/02/2016
168-ES-VAL-02		SPAIN	15182150.1	28/03/2007	ES2658675	06/12/2017
168-FR-VAL-01		FRANCE	07759576.3	28/03/2007	306598	17/02/2016
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168-HK-EXT-01		HONG KONG	09105477.2	28/03/2007	HK1129874	07/04/2017
168-IL-DIV-02		ISRAEL	232412	28/03/2007	232412	29/05/2017
168-IN-PCT-01		INDIA	695703E1NP/3008	28/03/2007	314788	14/06/2019
168-IT-VAL-01		ITALY	07759576.3	28/03/2007	IT 502016000046429	17/02/2016
168-IT-VAL-02		ITALY	15182150.1	28/03/2007	3862398	06/12/2017
168-KR-PCT-01		SOUTH KOREA	10-2008-7026977	28/03/2007	10-1081376	04/02/2014
168-RU-PCT-01		RUSSIA	2008143015	28/03/2007	3436719	10/01/2012
		Japan	JP2008618245	2007-03-28		
		Japan	JP2012056233	2012-11-21	JF6650709	2015-01-07
168-SG-DIV-01		SINGAPORE	201104696.8	28/03/2007	173319	08/05/2015
168-US-DDM-03		UNITED STATES	13/013378	25/01/2011	8381050	28/01/2013
168-US-DDM-04		UNITED STATES	13/719481	19/12/2012	8621433	02/09/2014
168-US-DDM-05		UNITED STATES	14/341879	28/07/2014	8587699	27/08/2017
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168-US-DDM-08		UNITED STATES	17/491948	01/10/2021		
168-US-PCT-02		UNITED STATES	12285173	28/09/2006	7814499	28/03/2011
168-WO-MOR-01		WIPO	PCT/AU2007/066363	28/03/2007		
169-AU-DIV-02		AUSTRALIA	2008202656	25/04/2004	2008202656	21/06/2012
169-AU-DIV-03		AUSTRALIA	2012201624	25/04/2004	2012201624	18/06/2016
169-AU-DIV-04		AUSTRALIA	2015207680	25/04/2004	2015207680	01/06/2017
169-AU-DIV-05		AUSTRALIA	2017202411	25/04/2004	2017202411	18/06/2018
169-AU-DIV-06		AUSTRALIA	2019201416	25/04/2004	2019201416	05/11/2020
169-AU-PCT-01		AUSTRALIA	2004212858	25/04/2004	2004212858	22/10/2008
169-CA-DIV-02		CANADA	2821637	25/04/2004	2820637	20/10/2015
169-CA-PCT-01		CANADA	2521067	25/04/2004	2521067	02/08/2012
169-DE-VAL-01		GERMANY	04760179.4	23/04/2004	60 2004 054 041.2	12/06/2018
169-EP-DIV-02		EUROPE	15165022.5	23/04/2004		
169-EP-PCT-01		EUROPE	04760179.4	23/04/2004		
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158-IT-VAL-01	ITALY	04760179.4	23/04/2004	502045000069337	12/06/2019
	Japan	JP2008513327	25/04/04-25	JP4566193	2010-10-20
	Japan	JP2012249271	25/12-11-13	JP5550165	2014-07-16
	Japan	JP2012249272	25/12-11-13		
	Japan	JP2014255376	25/14-12-17	JP5972360	2016-08-17
	Japan	JP2014255377	25/14-12-17		
	Japan	JP2016214846	25/16-11-02	JP5626006	2019-12-26
	Japan	JP2017214522	25/17-11-07		
158-US-CON-03	UNITED STATES	12/336363	16/12/2008	8673726	06/12/2011
158-US-CON-04	UNITED STATES	12/336398	16/12/2008	8672828	07/07/2015
158-US-CON-05	UNITED STATES	12/762307	17/04/2010	9125883	23/04/2003
158-US-CON-06	UNITED STATES	14/809438	27/07/2015	8511187	06/12/2016
158-US-CON-07	UNITED STATES	15/299879	21/10/2016	10525194	07/01/2020
158-US-CON-08	UNITED STATES	16/687017	23/04/2003		
158-US-NOR-02	UNITED STATES	10/821354	23/04/2004	7530866	12/06/2009
158-WO-NOR-01	WIPO	PCT/US2004/012797	23/04/2004		
160-EP-DIV-02	EUROPE	12190927.9	30/11/2001	3576252	08/01/2019
160-EP-DIV-03	EUROPE	12190926.7	30/11/2001	3554196	17/10/2018
160-EP-PCT-01	EUROPE	01988243.2	30/11/2001	1412017	13/04/2016
160-US-CON-06	UNITED STATES	14/625801	28/02/2015	3636451	02/06/2017
160-US-CON-07	UNITED STATES	15/464570	21/03/2017	3881050	29/05/2018
160-US-CON-08	UNITED STATES	13/743,992	30/11/2001	8,952,478	31/06/2016
160-US-CON-09	UNITED STATES	16/801806	26/02/2020		
160-US-DIV-05	UNITED STATES	11/219844	06/09/2005	7481762	27/01/2009
160-US-DIV-04	UNITED STATES	12/336246	16/12/2008	8956511	14/10/2014
160-US-NOR-02	UNITED STATES	10/906936	30/11/2001	8939324	06/09/2006
160-WO-NOR-01	WIPO	PCT/AJ52001/046028			
161-US-NOR-02	UNITED STATES	11/175990	2005-07-05	8083636	2015-07-29
162-AU-DIV-02	AUSTRALIA	2014277752	08/06/2011	2014277752	22/12/2019
162-AU-DIV-03	AUSTRALIA	2015247182	08/06/2011	2015247182	28/06/2017
162-AU-DIV-04	AUSTRALIA	2017221857	08/06/2011	2017221857	09/06/2019
162-AU-PCT-01	AUSTRALIA	2011264825	08/06/2011	2011264825	19/02/2013
162-CA-DIV-02	CANADA	3,011,688	08/06/2011	3,011,688	25/02/2021
162-CA-DIV-03	CANADA	3,081,311	08/06/2011		
162-CA-PCT-01	CANADA	2,793,784	08/06/2011	2,793,784	26/06/2016
162-CN-DIV-02	CHINA	201510422211.9	08/06/2011	201510422211.9	01/10/2021
162-CN-DIV-03	CHINA	201510422237.3	08/06/2011	ZL201510422237.3	20/06/2019
162-CN-DIV-04	CHINA	201910983767.1	08/06/2011	ZL201910983767.1	16/05/2022
162-CN-PCT-01	CHINA	201150029239.4	08/06/2011	ZL201150029239.4	16/06/2013
162-DE-PCT-01	GERMANY	11793148.3	08/06/2011	2573919	02/09/2020
162-EP-DIV-02	EUROPE	20175804.9	08/06/2011		
162-EP-PCT-01	EUROPE	11793148.3	08/06/2011	2573919	02/09/2020
162-FR-PCT-01	FRANCE	11793148.3	08/06/2011	2573919	02/09/2020
162-GB-PCT-01	UNITED KINGDOM	11793148.3	08/06/2011	2573919	02/09/2020
162-IL-PCT-01	ISRAEL	222801	08/06/2011		
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162-KR-PCT-01	SOUTH KOREA	10-2013-7003361	08/06/2011	10-1902546	22/11/2017
162-SG-PCT-01	SINGAPORE	201208311.7	08/06/2011	166504	07/07/2015
	Japan	JP2013514864	2011-06-02	JP5808268	2015-11-10
	Japan	JP2015176414	2015-02-10	JP6430360	2018-11-26
162-US-DIV-03	UNITED STATES	14/259,897	23/04/2014	6,795,738	04/06/2017
162-US-DIV-04	UNITED STATES	15/696,848	08/09/2017	10,376,638	15/08/2018
162-US-DIV-05	UNITED STATES	16/449534	24/06/2019		
162-US-NOR-02	UNITED STATES	13/156,839	08/06/2011	6,740,987	08/06/2014

182-WO-NOR-01	WIPO	PCT/US2011/036771	09/08/2011		
183-WO-NOR-01	WIPO	PCT/AU2012/009054	12/12/2012		
184-AU-DIV-02	AUSTRALIA	2017202459	30/09/2014	3017202459	21/02/2018
184-AU-DIV-03	AUSTRALIA	2018200282	30/09/2014	2018200282	28/09/2020
184-AU-PCT-01	AUSTRALIA	2014274061	30/09/2014	2014274061	08/06/2017
184-CA-PCT-01	CANADA	2,911,250	30/09/2014	2,911,250	12/12/2017
184-CN-DIV-02	CHINA	201810320036.8	30/09/2014	ZL 201810320036.8	06/02/2021
184-CN-PCT-01	CHINA	201489010782.3	30/09/2014	ZL201489010782.3	27/04/2018
184-DE-VAL-01	GERMANY	14893383.0	30/09/2014	3003438	22/05/2018
184-DE-DIV-02	GERMANY	19170950.0	30/09/2014	3674943	30/06/2021
184-FR-DIV-02	FRANCE	19170950.0	30/09/2014	3674943	30/06/2021
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184-ES-VAL-01	SPAIN	14893383.0	30/09/2014	3003438	22/05/2018
184-FR-VAL-01	FRANCE	14893383.0	30/09/2014	3003438	22/05/2018
184-GB-VAL-01	UNITED KINGDOM	14893383.0	30/09/2014	3003438	22/05/2018
184-IN-PCT-03	INDIA	10708/DEL/INP/2015	30/09/2014		
184-IT-VAL-01	ITALY	14893383.0	30/09/2014	3003438	22/05/2018
184-US-COR-03	UNITED STATES	15788,609	06/02/2020		
184-US-PCT-02	UNITED STATES	14798,009	21/10/2015	10,586,313	24/09/2020
184-WO-NOR-01	WIPO	PCT/AU2014/040205	30/09/2014		
185-AU-PCT-01	AUSTRALIA	2015211045	28/01/2015	2015211045	05/09/2017
185-CA-PCT-01	CANADA	2,937,736	28/01/2015	2,937,736	21/08/2018
185-CN-DIV-02	CHINA	201811372682.8	28/01/2015		
185-CN-PCT-01	CHINA	201580006272.5	28/01/2015	ZL201580006272.5	07/01/2020
185-EP-DIV-02	EUROPE	20175708.1	28/01/2015		
185-EP-PCT-01	EUROPE	15743283.4	28/01/2015	3099549	02/06/2020
185-DE-PCT-01	GERMANY	15743283.4	28/01/2015	3099549	02/06/2020
185-FR-PCT-01	FRANCE	15743283.4	28/01/2015	3099549	02/06/2020
185-GB-PCT-01	UNITED KINGDOM	15743283.4	28/01/2015	3099549	02/06/2020
185-IT-PCT-01	ITALY	15743283.4	28/01/2015	3099549	02/06/2020
	Japan	JP2016548625	2015-01-28	JP6611093	2021-01-13
	Japan	JP2017296546	2017-10-25		
	Japan	JP2020193187	2020-06-19		
185-US-COR-03	UNITED STATES	15728,706	10/10/2017	10,765,803	08/09/2020
185-US-COR-04	UNITED STATES	15940,514	28/07/2020		
185-US-PCT-02	UNITED STATES	15906,850	21/06/2018	6,814,331	14/11/2017
185-WO-NOR-01	WIPO	PCT/AU2015/013283	28/01/2015		
186-AU-PCT-01	AUSTRALIA	2015333817	12/10/2015	2015333817	19/07/2018
186-CA-PCT-01	CANADA	2,961,644	12/10/2015	2,961,644	14/05/2018
186-CN-DIV-02	CHINA	201811306545.1	12/10/2015		
186-CN-PCT-01	CHINA	201580054065.7	12/10/2015	ZL201580054065.7	30/12/2019
186-DE-VAL-01	GERMANY	15650544.4	12/10/2015	3206737	08/05/2020
186-EP-DIV-02	EUROPE	20171734.5	12/10/2015		
186-EP-PCT-01	EUROPE	15650544.4	12/10/2015	3206737	08/05/2020
186-ES-VAL-01	SPAIN	15650544.4	12/10/2015	3206737	08/05/2020
186-FR-VAL-01	FRANCE	15650544.4	12/10/2015	3206737	08/05/2020
186-GB-VAL-01	UNITED KINGDOM	15650544.4	12/10/2015	3206737	08/05/2020
186-HK-EXT-01	HONG KONG	18100547.5	12/10/2015	1241392	15/01/2021
186-IN-PCT-01	INDIA	201717014210	12/10/2015		
186-IT-VAL-01	ITALY	15650544.4	12/10/2015	3206737	08/05/2020
186-KR-PCT-01	SOUTH KOREA	10-2017-7012745	12/10/2015	10-2027682	01/10/2019
186-RU-PCT-01	RUSSIA	2017116222	12/10/2015	2656286	24/04/2019
	Japan	JP2017518417	2015-10-12	JP6381569	2019-04-05

166-US-COM-02	UNITED STATES	161881842	18/04/2016		
166-US-PCT-02	UNITED STATES	151521397	21/03/2017	10,107,528	04/05/2019
166-US-PRO-01	UNITED STATES	621831878	15/10/2018		
166-WO-NOR-01	WIPO	PCT/US2015/05117	12/10/2015		
167-AU-DIV-02	AUSTRALIA	2018247266	30/08/2016	2018247266	28/03/2020
167-AU-PCT-01	AUSTRALIA	2015257632	30/08/2016	2018247632	08/11/2019
167-CA-PCT-01	CANADA	2,590,453	30/08/2016	2,590,453	16/05/2021
167-CN-PCT-01	CHINA	201680046925.0	30/08/2016	21201680046925.0	02/03/2021
167-DE-VAL-01	GERMANY	16818750.8	30/08/2016	33168940	28/04/2021
167-EP-PCT-01	EUROPE	16818750.8	30/08/2016	33168940	28/04/2021
167-FR-VAL-01	FRANCE	16818750.8	30/08/2016	33168940	28/04/2021
167-GB-VAL-01	UNITED KINGDOM	16818750.8	30/08/2016	33168940	28/04/2021
167-IT-VAL-01	ITALY	16818750.8	30/08/2016	33168940	28/04/2021
	Japan	JP2017584816	20/15-05-30	JP6522800	2019-05-29
	Japan	JP2018078810	20/16-04-17	JP6800270	2020-06-30
167-US-PCT-02	UNITED STATES	161731194	22/12/2017	10,987,468	27/04/2021
167-WO-NOR-01	WIPO	PCT/US2015/040261	30/08/2016		
168-CA-PCT-01	CANADA	3,065,558	20/05/2018		
168-CN-PCT-01	CHINA	201880334032.2	20/05/2018		
168-EP-PCT-01	EUROPE	18821170.0	20/05/2018		
168-IN-PCT-01	INDIA	201847061058	20/05/2018		
	Japan	JP2018589704	20/15-05-26		
168-US-COM-03	UNITED STATES	171970282	11/02/2022		
168-US-PCT-02	UNITED STATES	161615150	20/11/2016	11,278,867	22/03/2022
168-WO-NOR-01	WIPO	PCT/US2018/034518	20/05/2018		
168-AU-PCT-01	AUSTRALIA	2018300229	18/07/2018		
168-CA-PCT-01	CANADA	3,079,864	18/07/2018		
168-CN-PCT-01	CHINA	202020443404.8	18/05/2020	CN214232095U	21/06/2021
168-EP-PCT-01	EUROPE	18832238.0	18/07/2018		
168-US-PCT-02	UNITED STATES	161627577	20/11/2016		
168-WO-NOR-01	WIPO	PCT/US2018/042079	18/07/2018		
170-US-PCT-03	UNITED STATES	171626798	15/07/2020		
170-US-PRO-01	UNITED STATES	621675212	17/07/2018		
170-US-PRO-02	UNITED STATES	621675425	18/07/2018		
170-WO-NOR-01	WIPO	PCT/EP2020/070082	15/07/2020	WO2021009206	21/01/2021
171-US-PCT-02	UNITED STATES	171813376	05/08/2020		
171-US-PRO-01	UNITED STATES	621680841	20/08/2019		
171-WO-NOR-01	WIPO	PCT/EP2020/071882	05/08/2020	WO2021017502	20/21-03-04
D001US1	UNITED STATES	28461753	14/05/2010	0867048	25/08/2012
D001US2	UNITED STATES	28426566	01/08/2012	0867048	13/08/2013
D001US3	UNITED STATES	28458166	17/06/2015	0706415	03/08/2014
D002EM1-12	EUROPE	088648879	21/07/2020	088648679-0001	04/08/2020
D002EM1-12	EUROPE	088648879	21/07/2020	088648679-0002	04/08/2020
D002EM1-12	EUROPE	088648879	21/07/2020	088648679-0003	04/08/2020
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D002EM1-12	EUROPE	088648879	21/07/2020	088648679-0012	04/08/2020
D002GB1-12	UNITED KINGDOM	80080489781001	21/07/2020	80080489781001	04/08/2020
D002GB1-12	UNITED KINGDOM	80080489781002	21/07/2020	80080489781002	04/08/2020

D002GB1-12	UNITED KINGDOM	90080488790003	21/07/2020	90080488790003	04/09/2020
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D002US1	UNITED STATES	29740,195	01/07/2020		
D003US	UNITED STATES	29740,178	01/07/2020	D914,205 S	03/03/2021
D000US-CON	UNITED STATES	29771,885	25/03/2021	D835,604	08/11/2021
D004US	UNITED STATES	29772,517	12/10/2010		