

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8313856

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	5
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: 1	
Property Type	Number
Application Number:	18296162
CORRESPONDENCE DATA	
Fax Number:	(215)963-5001
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2159635000
Email:	denise.messner@morganlewis.com
Correspondent Name:	MORGAN LEWIS & BOCKIUS LLP
Address Line 1:	2222 MARKET STREET
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
NAME OF SUBMITTER:	DENISE MESSNER
SIGNATURE:	/Denise Messner/
DATE SIGNED:	12/06/2023
Total Attachments: 9 source=Assignment5_#page1.tif source=Assignment5_#page2.tif source=Assignment5_#page3.tif source=Assignment5_#page4.tif source=Assignment5_#page5.tif source=Assignment5_#page6.tif	

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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

MANNING CORPORATION of 1 Casper Street, Danbury, Connecticut, 06810, United States of America
(Business Authoritative Legal Entity Identifier (ALEI): 0762023)

(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;

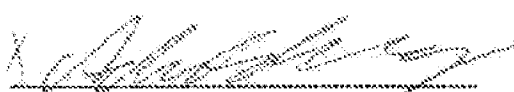
The Assignor undertakes to execute documents and perform other acts reasonably required to enable the Assignee to enjoy the full benefit of the property and rights and to apply for and effectively vest in patents and other rights in respect of the assigned rights throughout the world.

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: DAN SPONBERG

Capacity: PRESIDENT & CEO

Date: 01-Aug-2022

EXECUTED for and on behalf of
MANKIND 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
MANNKIND CORPORATION

Signature: Michael Castagna

Name: Michael Castagna

Capacity: CEO

Date: 6/30/22

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

95-CA-PCT-01	CANADA	2760841	04/02/2010	2760841	2004/02/17
95-CN-DIV-02	CHINA	201410204711.9	04/02/2010	ZL201410204711.9	15/03/2017
95-CN-PCT-01	CHINA	201000022011.0	04/02/2010	ZL201000022011.0	09/05/2014
95-DE-VAL-01	GERMANY	10772721.5	04/02/2010	10772721.5	05/01/2011
95-EP-DIV-02	EUROPE	2760841.9	04/02/2010		
95-EP-PCT-01	EUROPE	10772721.5	04/02/2010	10772721.5	08/11/2017
95-ES-VAL-01	SPAIN	10772721.5	04/02/2010	10772721.5	05/11/2017
95-FR-PCT-01	FRANCE	10772721.5	04/02/2010	10772721.5	05/11/2017
95-GB-VAL-01	UNITED KINGDOM	10772721.5	04/02/2010	10772721.5	05/11/2017
95-HK-EXT-01	HONG KONG	12103444.1	06/02/2010	HK12103444.1	05/05/2014
95-IN-PCT-01	INDIA	81660DELIN20011	04/02/2010	81660DELIN20011	10/04/2011
95-IT-VAL-01	ITALY	10772721.5	04/02/2010	10772721.5	05/11/2017
95-KR-PCT-01	SOUTH KOREA	10-2011-7728810	04/02/2010	10-1715421	05/03/2017
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95-US-COM-53	UNITED STATES	10772721.5	10/01/2014	10772721.5	28/06/2015
95-US-COM-54	UNITED STATES	10772721.5	28/03/2015	10772721.5	05/12/2017
95-US-POR-02	UNITED STATES	10772721.5	04/02/2010	10772721.5	11/03/2014
95-US-PRO-01	UNITED STATES	10772721.5	04/02/2010	10772721.5	
95-WO-POR-01	WIPO	PCT/JP2010/000000	04/02/2010		
95-AU-DIV-01	AUSTRALIA	201410204711.9	12/10/2010	201410204711.9	07/09/2015
95-AU-DIV-03	AUSTRALIA	201410204711.9	12/10/2010	201410204711.9	10/10/2015
95-AU-DIV-04	AUSTRALIA	201410204711.9	12/10/2010	201410204711.9	01/03/2015
95-AU-DIV-05	AUSTRALIA	201410204711.9	12/10/2010	201410204711.9	28/04/2015
95-AU-PCT-01	AUSTRALIA	201410204711.9	12/10/2010	201410204711.9	01/03/2015
95-CA-DIV-01	CANADA	2760841.9	12/10/2010	2760841.9	10/01/2015
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95-GB-VAL-02	UNITED KINGDOM	10772721.5	12/10/2010	EP2049824.1	10/12/2010
95-HK-EXT-01	HONG KONG	12103444.1	12/10/2010	HK12103444.1	05/05/2015
95-IL-PCT-01	ISRAEL	2760841	12/10/2010	2760841	01/06/2015
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95-JP-DIV-02	SOUTH KOREA	10-2011-7728810	12/10/2010	10-1000702	11/06/2015
95-JP-PCT-01	SOUTH KOREA	10-2011-7728810	12/10/2010	10-1000702	05/03/2015
95-SG-PCT-01	SINGAPORE	201410204711.9	12/10/2010	101410204711.9	20/11/2014
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		Japan	JP2018070455	2018-04-18		
107-US-COM-04		UNITED STATES	14799044	02/07/2016	0848771	18/06/2018
107-US-COM-05		UNITED STATES	15547486	09/04/2018	10951188	02/03/2021
107-US-PCT-03		UNITED STATES	13409136	12/06/2012	9191756	15/08/2015
107-US-PCT-01		UNITED STATES	81231234	18/02/2009		
107-WO-NOR-01		WFO	PCT/US2014/022163	12/10/2014		
108-AU-DIV-02		AUSTRALIA	201301470	20/02/2007	2011201473	22/06/2013
108-AU-DIV-03		AUSTRALIA	201301047	20/02/2007	2013231047	25/09/2015
108-AU-DIV-04		AUSTRALIA	201300784	20/02/2007	201300784	10/10/2017
108-AU-PCT-01		AUSTRALIA	2007031231	20/02/2007	2007031231	09/06/2011
108-CA-PCT-01		CANADA	2009324	20/02/2007	0945324	07/08/2016
108-CN-DIV-02		CHINA	20131013423.3	20/02/2007	2320131013423.3	26/08/2015
108-CN-PCT-01		CHINA	20070511	20/02/2007	23200700920240.3	10/06/2013
108-DE-VAL-01		GERMANY	07709074.3	20/02/2007	200809	17/02/2016
108-DE-VAL-02		GERMANY	15182150.1	20/02/2007	DE 69 1007 463 237.5	08/12/2017
108-EP-DIV-02		EUROPE	15182150.1	20/02/2007	200209	08/12/2017
108-EP-PCT-01		EUROPE	07709074.3	20/02/2007	200809	17/02/2016
108-ES-VAL-01		SPAIN	07709074.3	20/02/2007	ES2008109	17/02/2016
108-ES-VAL-02		SPAIN	15182150.1	20/02/2007	ES1618476	08/12/2017
108-FR-VAL-01		FRANCE	07709074.3	20/02/2007	200809	17/02/2016
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108-GB-VAL-02		UNITED KINGDOM	15182150.1	20/02/2007	200209	08/12/2017
108-HK-EKI-01		HONG KONG	06105477.2	20/02/2007	HK1129874	07/04/2017
108-IL-DIV-02		ISRAEL	231112	20/02/2007	232412	20/05/2017
108-IN-PCT-01		INDIA	20070301MP0006	20/02/2007	314106	14/06/2019
108-IT-VAL-01		ITALY	07709074.3	20/02/2007	IT 502016000000420	17/02/2016
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108-KR-PCT-01		SOUTH KOREA	10-2006-732877	20/02/2007	10-1281876	04/07/2014
108-RU-PCT-01		RUSSIA	2006143015	20/02/2007	2406718	10/03/2013
		Japan	JP200908245	2007-05-29		
		Japan	JP2012055023	2012-11-21	JF860705	2018-01-22
108-SG-DIV-01		SINGAPORE	201104035.8	20/02/2007	110318	08/09/2016
108-US-COM-03		UNITED STATES	13092878	20/01/2011	8301050	20/01/2010
108-US-COM-04		UNITED STATES	13092881	10/01/2012	8321443	02/08/2014
108-US-COM-05		UNITED STATES	14041078	20/01/2014	9081268	27/06/2017
108-US-COM-06		UNITED STATES	10587841	17/06/2017	90491160	03/12/2016
108-US-COM-08		UNITED STATES	17481848	01/06/2021		
108-US-PCT-02		UNITED STATES	12026173	20/02/2004	781409	20/02/2011
108-WO-NOR-01		WFO	PCT/JP2005/080303	20/02/2007		
109-AU-DIV-02		AUSTRALIA	200803096	20/04/2004	200803096	21/06/2012
109-AU-DIV-03		AUSTRALIA	201201803	20/04/2004	201201804	18/06/2016
109-AU-DIV-04		AUSTRALIA	201307680	20/04/2004	201307680	01/06/2017
109-AU-DIV-05		AUSTRALIA	201302431	20/04/2004	201302431	13/06/2019
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109-AU-PCT-01		AUSTRALIA	200402060	20/04/2004	200402060	22/10/2008
109-CA-DIV-01		CANADA	2009097	03/04/2004	2009097	20/10/2018
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109-DE-VAL-01		GERMANY	04780179.4	20/04/2004	00.2004.004.041.2	12/06/2016
109-EP-DIV-02		EUROPE	14160102.3	20/04/2004		
109-EP-PCT-01		EUROPE	04780179.4	20/04/2004		
109-ES-VAL-01		SPAIN	04780179.4	20/04/2004	ES0406179	12/06/2016
109-FR-VAL-01		FRANCE	04780179.4	20/04/2004	1417888	12/06/2016
109-GB-VAL-01		UNITED KINGDOM	04780179.4	20/04/2004	1417888	12/06/2016

158-JP-WA1-01	JAPAN	JP2006011307	2006-04-25	JP496183	2010-10-30
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158-US-COIN-04	UNITED STATES	12506038	18/12/2008	8072825	07/07/2015
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158-US-COIN-06	UNITED STATES	14502434	27/07/2015	8511187	08/02/2019
158-US-COIN-07	UNITED STATES	15202675	21/06/2016	10124194	07/09/2020
158-US-COIN-08	UNITED STATES	15087917	23/04/2015		
158-US-NOR-02	UNITED STATES	10601154	23/04/2004	7500869	12/08/2008
158-WO-NOR-04	WIPO	PC10032054012107	23/04/2004		
160-EP-DIV-02	EUROPE	12190927.2	30/11/2001	2078252	08/01/2019
160-EP-DIV-03	EUROPE	12190926.7	30/11/2001	2054795	17/03/2019
160-EP-PCT-01	EUROPE	01998243.2	20/11/2001	7412017	10/04/2015
160-US-COIN-08	UNITED STATES	14526851	29/02/2015	7089451	02/08/2017
160-US-COIN-07	UNITED STATES	10446070	21/07/2010	6981093	28/05/2015
160-US-COIN-06	UNITED STATES	15740192	30/11/2001	8032478	31/05/2012
160-US-COIN-05	UNITED STATES	10601800	28/02/2004		
160-US-DIV-01	UNITED STATES	175210944	06/05/2004	7481752	27/07/2009
160-US-DIV-04	UNITED STATES	12509245	18/12/2008	8059517	14/10/2014
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161-US-NOR-02	UNITED STATES	11175380	20/05/07-05	6326534	20/07/2011
162-AU-DIV-02	AUSTRALIA	2014277752	08/06/2011	2014277752	22/03/2016
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162-CN-DIV-02	CHINA	20151042221.3	08/06/2011	20151042221.3	01/10/2021
162-CN-DIV-03	CHINA	201510422237.3	08/06/2011	ZL201510422237.3	20/08/2015
162-CN-DIV-04	CHINA	201310693767.1	08/06/2011	ZL201310693767.1	19/09/2022
162-CN-PCT-01	CHINA	20115052639.4	09/09/2011	ZL20115052639.4	16/09/2015
162-DE-PCT-01	GERMANY	11787148.3	09/09/2011	2573819	02/09/2025
162-EP-DIV-07	EUROPE	2573804.5	08/06/2011		
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162-IL-PCT-01	ISRAEL	222601	08/06/2011		
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162-KR-PCT-01	SOUTH KOREA	10-2013-7304381	09/09/2011	10-1802545	22/11/2417
162-SG-PCT-01	SINGAPORE	201202517.4	08/06/2011	166634	07/07/2015
	JAPAN	JP2013014384	2013-08-05	JP5902059	0018-11-16
	JAPAN	JP2015178434	2015-04-16	JP6135030	2018-11-29
162-US-DIV-03	UNITED STATES	14263887	20/07/2014	8795759	24/09/2017
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162-US-DIV-05	UNITED STATES	96448924	24/06/2019		
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182-WO-NOR-01	WIPO	PCT/US2011/038777	10/08/2011		
183-WO-NOR-01	WIPO	PCT/US2012/038954	12/12/2012		
184-AU-DIV-02	AUSTRALIA	2017202459	20/05/2014	2017202459	21/12/2018
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184-CA-PCT-01	CANADA	2,911,250	30/09/2014	2,911,250	10/12/2017
184-CN-DIV-02	CHINA	201910820088.0	20/09/2014	ZL 201910820088.0	06/02/2021
184-CN-PCT-03	CHINA	201483010782.3	30/09/2014	ZL201483010782.3	27/04/2018
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185-FR-PCT-01	FRANCE	15743261.4	29/07/2015	3098349	02/08/2020
185-GB-PCT-01	UNITED KINGDOM	15743261.4	29/07/2015	3098349	02/08/2020
185-IT-PCT-01	ITALY	15743261.4	29/07/2015	3098349	02/08/2020
	Japan	JP201555880.25	09/10/01-08	JP201555880	2021-01-01
	Japan	JP2017258545	20/07/18-25		
	Japan	JP2020155187	2020-08-12		
185-US-COM-03	UNITED STATES	19778309	10/07/2017	19778309	08/09/2020
185-US-COM-04	UNITED STATES	19740314	28/07/2020		
185-US-PCT-02	UNITED STATES	19778309	21/08/2018	6814281	10/17/2017
185-WO-NOR-01	WIPO	PCT/US2019/018281	28/07/2019		
186-AU-PCT-01	AUSTRALIA	2018281871	10/10/2019	2018281871	19/07/2018
186-CA-PCT-01	CANADA	2,991,544	10/10/2019	2,991,544	18/08/2019
186-CN-DIV-02	CHINA	201911338545.1	12/10/2019		
186-CN-PCT-01	CHINA	20188080905.7	12/10/2019	ZL20188080905.7	20/12/2019
186-DE-VAL-01	GERMANY	15850644.4	10/10/2019	1246737	08/09/2020
186-EP-DIV-02	EUROPE	20171724.9	10/10/2019		
186-EP-PCT-01	EUROPE	15850644.4	12/10/2019	1246737	08/09/2020
186-ES-VAL-01	SPAIN	15850644.4	12/10/2019	1246737	08/09/2020
186-FR-VAL-01	FRANCE	15850644.4	12/10/2019	1246737	08/09/2020
186-GB-VAL-01	UNITED KINGDOM	15850644.4	12/10/2019	1246737	08/09/2020
186-HK-DIV-01	HONG KONG	19190547.8	12/10/2019	1241382	19/10/2021
186-IN-PCT-01	INDIA	20171704010	10/10/2019		
186-IT-VAL-01	ITALY	15850644.4	12/10/2019	1246737	08/09/2020
186-KR-PCT-01	SOUTH KOREA	10-2017-7513745	10/10/2019	10-2017902	01/10/2019
186-RU-PCT-01	RUSSIA	2017119222	12/10/2019	2008288	20/01/2019
	Japan	JP2015518417	2015-10-12	JP2015518417	2019-01-01

0002GB1-12	UNITED KINGDOM	90580488/90003	21/07/2020	90580488/90003	04/08/2020
0002GB1-13	UNITED KINGDOM	90580488/90004	21/07/2020	90580488/90004	04/08/2020
0002GB1-14	UNITED KINGDOM	90580488/90005	21/07/2020	90580488/90005	04/08/2020
0002GB1-15	UNITED KINGDOM	90580488/90006	21/07/2020	90580488/90006	04/08/2020
0002GB1-16	UNITED KINGDOM	90580488/90007	21/07/2020	90580488/90007	04/08/2020
0002GB1-17	UNITED KINGDOM	90580488/90008	21/07/2020	90580488/90008	04/08/2020
0002GB1-18	UNITED KINGDOM	90580488/90009	21/07/2020	90580488/90009	04/08/2020
0002GB1-19	UNITED KINGDOM	90580488/90010	21/07/2020	90580488/90010	04/08/2020
0002GB1-20	UNITED KINGDOM	90580488/90011	21/07/2020	90580488/90011	04/08/2020
0002GB1-21	UNITED KINGDOM	90580488/90012	21/07/2020	90580488/90012	04/08/2020
0002US1	UNITED STATES	201740,185	01/07/2020		
0002US	UNITED STATES	201740,176	01/07/2020	5914,209E	22/08/2020
0002US.COM	UNITED STATES	201740,185	28/02/2021	5914,209E	28/02/2021
0004US	UNITED STATES	201772,517	12/05/2016		