

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7277330

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JANSSEN BIOPHARMA, LLC	03/22/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JANSSEN PHARMACEUTICA NV
<b>Street Address:</b>	TURNHOUTSEWEG 30
<b>City:</b>	2340 BEERSE
<b>State/Country:</b>	BELGIUM
<b>Postal Code:</b>	2340
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15455780
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)524-2808
<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>	
<b>Phone:</b>	7325242820
<b>Email:</b>	dwilso32@its.jnj.com
<b>Correspondent Name:</b>	JOSEPH F. SHIRTZ
<b>Address Line 1:</b>	ONE JOHNSON & JOHNSON PLAZA
<b>Address Line 4:</b>	NEW BRUNSWICK, NEW JERSEY 08933
<b>ATTORNEY DOCKET NUMBER:</b>	ALP0027USNP
<b>NAME OF SUBMITTER:</b>	DAWN H. WILSON
<b>SIGNATURE:</b>	/Dawn H. Wilson/
<b>DATE SIGNED:</b>	04/13/2022
<b>Total Attachments: 27</b>	
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GENERAL ASSIGNMENT

WHEREAS, Janssen BioPharma, LLC (formally Janssen BioPharma, Inc). having a place of business at 260 East Grand Avenue, 2<sup>nd</sup> Fl., South San Francisco, CA 94080, (hereinafter referred to as "Assignor"), is the owner of certain patents and patent applications listed in the table attached hereto (together with any and all provisional applications, non-provisional applications, international (PCT) applications, continuations, continuations-in-part, substitutions, divisionals, reexaminations, additions, modifications and foreign counterparts that are or may be granted or generated for any of the foregoing, the "Patents").

WHEREAS, Janssen Pharmaceutica NV, having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's entire right, title and interest therein, including the right to claim priority thereof,

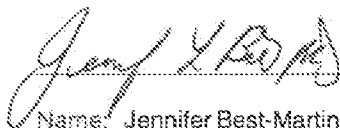
NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby conveys, delivers, transfers and assigns, and hereby causes its Affiliates to convey, deliver, transfer, and assign, for any and all countries throughout the world, to the Assignee its and their entire right, title and interest, free and clear of all Liens and including the right to claim priority, in and to the Patents, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by the Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor or its Affiliates if this Patent Assignment Agreement had not been made and including, without limitation, any claim by the Assignor against third parties for infringement or other violation of the Patents, royalties, damages or payments due or payable, and the exclusive right to grant licenses or other interests therein

And for purpose of obtaining patent protection in any foreign country, the Assignor hereby agrees that, any right, title and interest, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof can be directly assigned by the inventors to the Assignee

This Patent Assignment Agreement may be executed in one or more counterparts, each and every one of which shall be deemed an original and shall become effective when one or more counterparts have been signed by each of the parties hereto and delivered to the other party hereto, notwithstanding variations in format or file designation which may result from the electronic transmission, storage and printing of copies of this Patent Assignment Agreement from separate computers or printers. Facsimile signatures and signatures transmitted electronically shall be treated as original signatures.

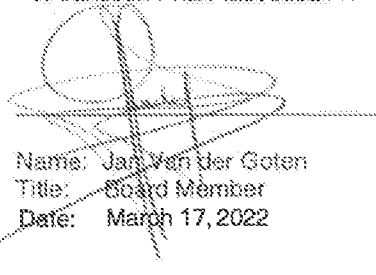
IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

For Janssen BioPharma, LLC



Name: Jennifer Best-Martin  
Title: Assistant Secretary  
Date: March 22, 2022

For Janssen Pharmaceutica NV



Name: Jan Van der Goten  
Title: Board Member  
Date: March 17, 2022

For Janssen Pharmaceutica NV



Name: Marc Vankerckhoven  
Title: Member Board of Directors  
Date: March 17, 2022  
Janssen Pharmaceutica NV

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0002	ALP0002BEEPT	Euro-PCT Application	19 Sep 2011	11827315	05 Sep 2018	2619215
ALP0002	ALP0002DEEPT	Euro-PCT Application	19 Sep 2011	11827315	05 Sep 2018	2619215
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ALP0002	ALP0002USCNT1	Continuation	03 Nov 2014	14/531552	24 May 2016	9346848
ALP0002	ALP0002USNP	National Patent	19 Sep 2011	13/236486	04 Nov 2014	8877731
ALP0004	ALP0004USCNT1	Continuation	29 Jan 2015	14/608523	28 Mar 2017	9605018
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ALP0005	ALP0005ALEPT	Euro-PCT Application	20 Dec 2012	12860391.7	26 Sep 2018	ALP/P/2018/869
ALP0005	ALP0005ALEPT2	Euro-PCT Application	19 Mar 2013	13763460.6	14 Nov 2018	AL-P-2018-885
ALP0005	ALP0005APAF1	ARIPO-PCT Application	21 Dec 2012	AP/P/2014/007796	12 Oct 2018	4671
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ALP0005	ALP0005RSEPT3	Euro-PCT Application	19 Mar 2013	13763460.6	14 Nov 2018	P-2019/0171
ALP0005	ALP0005RUEAT	Eurasian-PCT Application	20 Dec 2012	201491040	25 Jun 2020	035493

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0005	ALP0005RUEAT1	Eurasian-PCT Application	19 Mar 2013	201491493	06 May 2020	035159
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ALP0005	ALP0005TWNPN	National Patent	21 Dec 2012	101149140	21 May 2019	1659963
ALP0005	ALP0005TWNPN1	National Patent	21 Mar 2013	102110129	01 Nov 2018	1639612
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ALP0005	ALP0005USCNT1	Continuation	02 Jul 2015	14/790645	05 Nov 2019	10464965
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ALP0005	ALP0005USREI1	Reissue	13 Sep 2018	16/130971	13 Sep 2016	RE48171
ALP0005	ALP0005UZPCT	PCT Application	20 Dec 2012	IAP20140310	30 Jul 2021	IAP06532
ALP0005	ALP0005UZPCT1	PCT Application	19 Mar 2013	IAP2040444	31 Mar 2021	IAP 06434
ALP0005	ALP0005VENP	National Patent	20 Dec 2012	12-1692		
ALP0005	ALP0005ZAPCT	PCT Application	20 Dec 2012	2014/04486		
ALP0005	ALP0005ZAPCT1	PCT Application	19 Mar 2013	2014/06523		
ALP0006	ALP0006AUPCT	PCT Application	21 Aug 2013	2013305759	11 Jan 2018	2013305759
ALP0006	ALP0006BEEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006CAPCT	PCT Application	21 Aug 2013	2882088		
ALP0006	ALP0006CHEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006DEEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006EPEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006ESEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006FREPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006GBEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006IEEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006ITEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006JPPCT	PCT Application	21 Aug 2013	2015-528636	17 Nov 2017	6243908
ALP0006	ALP0006NLEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006SEEPT	Euro-PCT Application	21 Aug 2013	13830584.2	15 Jan 2020	2888240
ALP0006	ALP0006SGPCT	PCT Application	21 Aug 2013	11201501036R	19 Jan 2018	11201501036R
ALP0006	ALP0006USCNT1	Continuation	12 Apr 2021	17/228573		
ALP0006	ALP0006USDIV1	PCT Application Divisional	20 Jun 2017	15/627757	25 May 2021	11014935
ALP0006	ALP0006USPCT	PCT Application	21 Aug 2013	14/422920	08 Aug 2017	9724351

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ALP0009	ALP0009ALEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	AL/P/2021/000331
ALP0009	ALP0009ATEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	E 361338
ALP0009	ALP0009AUPCD1	PCT Application Divisional	14 May 2018	2018203337	19 Mar 2020	2018203337
ALP0009	ALP0009AUPCD2	PCT Application Divisional	23 Jan 2020	2020200499	26 Aug 2021	2020200499
ALP0009	ALP0009BAEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP00098EEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009BGEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	BG/EP2935303T3
ALP0009	ALP0009BRPCT	PCT Application	19 Dec 2013	BR112015014457.8		
ALP0009	ALP0009CAPCT	PCT Application	19 Dec 2013	2894542		
ALP0009	ALP0009CHEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009CNPCD1	PCT Application Divisional	19 Dec 2013	201910638928.5		
ALP0009	ALP0009CYEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	CY20211100406
ALP0009	ALP0009CZEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009DEEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	602013075752.6
ALP0009	ALP0009DKEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009EEEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009EPEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009EPETD2	Euro-PCT Application Divisional	22 Dec 2020	20216445.5		
ALP0009	ALP0009ESEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009FIEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009FREPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009GBEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009GREPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	20210401274
ALP0009	ALP0009HKNP	National Patent	12 Apr 2016	16104155.5		
ALP0009	ALP0009HREPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	P20210510
ALP0009	ALP0009HUEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	E053946
ALP0009	ALP0009IEEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009ILPCD1	PCT Application Divisional	26 May 2020	274901		
ALP0009	ALP0009ILPCT	PCT Application	19 Dec 2013	239324	01 Mar 2021	239324

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0009	ALP0009INPCT	PCT Application	19 Dec 2013	5505/DELNP/2015		
ALP0009	ALP0009ISEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009ITEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	502021000033947
ALP0009	ALP0009JPPCD1	PCT Application Divisional	19 Dec 2013	2017-243925	27 Dec 2019	6637023
ALP0009	ALP0009JPPCD2	PCT Application Divisional	19 Dec 2013	2019-229193		
ALP0009	ALP0009JPPCT	PCT Application	19 Dec 2013	2015-549746	09 Feb 2018	6284547
ALP0009	ALP0009KRPCD1	PCT Application Divisional	15 Oct 2020	10-2020-7029698		
ALP0009	ALP0009KRPCD2	PCT Application Divisional	12 Nov 2021	10-2021-7037049		
ALP0009	ALP0009KRPCT	PCT Application	19 Dec 2013	10-2015-7019672	15 Oct 2020	10-2168621
ALP0009	ALP0009LTEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009LUEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009LVEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009MCEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009MEEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	P-2021-121
ALP0009	ALP0009MKEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2021/239
ALP0009	ALP0009MTEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009MXPCT	PCT Application	19 Dec 2013	MX/A/2015/007925	29 Jan 2020	371421
ALP0009	ALP0009NLEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009NOEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009PLEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009PTEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009ROEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	EP/01037/2021
ALP0009	ALP0009RSEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	P-2021/0536
ALP0009	ALP0009SEEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009SGPCD1	PCT Application Divisional	21 Mar 2018	10201802325T		
ALP0009	ALP0009SGPCT	PCT Application	19 Dec 2013	1120150455.4	23 Mar 2018	11201504554U
ALP0009	ALP0009SIEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009SKEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2935303
ALP0009	ALP0009SMEPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	SM-T-202100259
ALP0009	ALP0009TREPT	Euro-PCT Application	19 Dec 2013	13864403.4	17 Feb 2021	2021/007238
ALP0009	ALP0009USCNT4	Continuation	02 Sep 2016	15/256345	04 Dec 2018	10144755

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0009	ALP0009USCNT5	Continuation	02 Sep 2016	15/256337	30 Oct 2018	10112966
ALP0009	ALP0009USCNT6	Continuation	18 Oct 2018	16/161705	26 Nov 2019	10487104
ALP0009	ALP0009USCNT7	Continuation	28 Nov 2018	16/203409	16 Jun 2020	10683320
ALP0009	ALP0009USCNT8	Continuation	22 Nov 2019	16/692858	06 Oct 2020	10793591
ALP0009	ALP0009USCNT9	Continuation	05 Oct 2020	17/063545		
ALP0009	ALP0009USNP	National Patent	19 Dec 2013	14/135488	02 Feb 2016	9249174
ALP0009	ALP0009USNP1	National Patent	19 Dec 2013	14/135484	26 Jan 2016	9243022
ALP0009	ALP0009ZAPCT	PCT Application	19 Dec 2013	2015/04428		
ALP0010	ALP0010CAPCT	PCT Application	24 Jun 2014	2913206		
ALP0010	ALP0010EPEPT	Euro-PCT Application	24 Jun 2014	14818480.7		
ALP0010	ALP0010HKNP	National Patent	04 Nov 2016	16112699.1		
ALP0010	ALP0010USNP	National Patent	24 Jun 2014	14/313043	14 Nov 2017	9815864
ALP0011	ALP0011USPCT	PCT Application	19 Dec 2013	14/654360	21 Mar 2017	9598457
ALP0012	ALP0012AUPCT	PCT Application	24 Jun 2014	2014302715	21 Mar 2019	2014302715
ALP0012	ALP0012BEEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012BEEID1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012CAPCT	PCT Application	24 Jun 2014	2913210		
ALP0012	ALP0012CHEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012CHETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012CNPCT	PCT Application	24 Jun 2014	201480038065.3	21 Jun 2019	201480038065.3
ALP0012	ALP0012DEEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012DEEID1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012DKEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012DKETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0012	ALP0012EPEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012EPETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012ESEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012ESETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012FREPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012FRETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012GBEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012GBETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012IEEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012IEETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012ITEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	502018000025776
ALP0012	ALP0012ITETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	502020000085951
ALP0012	ALP0012JPPCT	PCT Application	24 Jun 2014	2016-523850	21 Dec 2018	6453322
ALP0012	ALP0012NLEPT	Euro-PCT Application	24 Jun 2014	14817999.7	30 May 2018	3013843
ALP0012	ALP0012NLETD1	Euro-PCT Application Divisional	25 May 2018	18174398.0	22 Jul 2020	3424938
ALP0012	ALP0012USCNT1	Continuation	20 Jul 2016	15/215434	03 Apr 2018	9932363
ALP0012	ALP0012USCNT2	Continuation	13 Feb 2018	15/895872	30 Jun 2020	10696708
ALP0012	ALP0012USNP	National Patent	24 Jun 2014	14/312990	23 Aug 2016	9422322
ALP0013	ALP0013AMEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0013	ALP0013AUPCD1	PCT Application Divisional	10 Sep 2014	2019201403	06 May 2021	2019201403
ALP0013	ALP0013AUPCT	PCT Application	10 Sep 2014	2014318832	14 Mar 2019	2014318832
ALP0013	ALP0013AZEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013BEEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013BRPCT	PCT Application	10 Sep 2014	BR1120160052706		
ALP0013	ALP0013BYEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013CAPCT	PCT Application	10 Sep 2014	2923075		
ALP0013	ALP0013CHEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013CLPCT	PCT Application	10 Sep 2014	539-2016	06 Feb 2020	58.697
ALP0013	ALP0013CNPCT	PCT Application	10 Sep 2014	201480061771.X	11 Feb 2020	201480061771.X
ALP0013	ALP0013COPCT	PCT Application	10 Sep 2014	16-071186	21 Feb 2018	33426
ALP0013	ALP0013DEEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	602014067581.6
ALP0013	ALP0013EAEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013EGPCT	PCT Application	10 Sep 2014	PCT 437/2016		
ALP0013	ALP0013EPEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013EPEID1	Euro-PCT Application Divisional	06 Jul 2020	20184298.6		
ALP0013	ALP0013ESEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013FREPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013GBEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013GEPCT	PCT Application	10 Sep 2014	14114/01-16	17 Jul 2019	6997
ALP0013	ALP0013HKNP	National Patent	06 Dec 2016	16113897.9	16 Apr 2021	1225715
ALP0013	ALP0013HKNP2	National Patent	03 Aug 2021	42021035947.7		
ALP0013	ALP0013IDPCT	PCT Application	10 Sep 2014	P00201602433	18 Feb 2020	IDP000067479
ALP0013	ALP0013IEEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013ILPCD1	PCT Application Divisional	30 Apr 2020	274355	02 Jun 2021	274355
ALP0013	ALP0013ILPCT	PCT Application	10 Sep 2014	244432	01 Sep 2020	244432
ALP0013	ALP0013INPCD1	PCT Application Divisional	27 Sep 2021	202118042786		
ALP0013	ALP0013INPCT	PCT Application	10 Sep 2014	201617007404	09 Nov 2021	381466
ALP0013	ALP0013ITEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	50202000088567
ALP0013	ALP0013JPPCT	PCT Application	10 Sep 2014	2016-542073	14 Dec 2018	6448647



Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0013	ALP0013KGEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013KRPCD1	PCT Application Divisional	02 Nov 2021	10-2021-7035836		
ALP0013	ALP0013KRPCD1	PCT Application	10 Sep 2014	10-2016-7009194		
ALP0013	ALP0013KZEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013MXPCD1	PCT Application Divisional	12 Nov 2020	MX/A/2020/012132		
ALP0013	ALP0013MXPCD1	PCT Application	10 Sep 2014	MX/a/2016/003199	13 Nov 2020	377396
ALP0013	ALP0013NLEPT	Euro-PCT Application	10 Sep 2014	14844961.4	08 Jul 2020	3030566
ALP0013	ALP0013NZPCT	PCT Application	10 Sep 2014	717591		
ALP0013	ALP0013PEPCT	PCT Application	10 Sep 2014	369-2016	08 Oct 2020	10273
ALP0013	ALP0013PHPCD1	PCT Application	10 Sep 2014	1-2016-500486		
ALP0013	ALP0013RUEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013SGPCT	PCT Application	10 Sep 2014	11201601571W	28 Dec 2018	11201601571W
ALP0013	ALP0013THPCT	PCT Application	10 Sep 2014	1601001372		
ALP0013	ALP0013TJEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013TMEAT	Eurasian-PCT Application	10 Sep 2014	201690372	10 Jun 2021	037949
ALP0013	ALP0013TWNPN	National Patent	12 Sep 2014	103131647	01 Mar 2019	1652269
ALP0013	ALP0013UAPCT	PCT Application	10 Sep 2014	a201602294	27 Apr 2020	121199
ALP0013	ALP0013USCNT1	Divisional	28 Apr 2016	15/141387	09 Apr 2019	10251882
ALP0013	ALP0013USCNT2	Continuation	01 Mar 2019	16/290690	07 Jul 2020	10702523
ALP0013	ALP0013USCNT3	Continuation	09 Aug 2019	16/537396	20 Apr 2021	10980805
ALP0013	ALP0013USCNT4	Continuation	25 Feb 2021	17/185750		
ALP0013	ALP0013USNP	National Patent	10 Sep 2014	14/482886	03 May 2016	9328119
ALP0013	ALP0013UZPCT	PCT Application	10 Sep 2014	IAP20160128		
ALP0013	ALP0013ZAPCT	PCT Application	10 Sep 2014	2016/01578		
ALP0014	ALP0014AUPCT	PCT Application	19 Aug 2014	2014308991	30 May 2019	2014308991
ALP0014	ALP0014BRPCT	PCT Application	19 Aug 2014	BR112016003348.5		
ALP0014	ALP0014CAPCT	PCT Application	19 Aug 2014	2921294		
ALP0014	ALP0014CNPCT	PCT Application	19 Aug 2014	201480055176.5		
ALP0014	ALP0014EAEAT	Eurasian-PCT Application	19 Aug 2014	201690224		

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0014	ALP0014EGPCT	PCT Application	19 Aug 2014	PCT 259/2016		
ALP0014	ALP0014EPEPT	Euro-PCT Application	19 Aug 2014	14837913.4		
ALP0014	ALP0014GEPCT	PCT Application	19 Aug 2014	14095/01-16	05 Apr 2018	6833
ALP0014	ALP0014HKNP	National Patent	07 Dec 2016	16113922.8		
ALP0014	ALP0014IDPCT	PCT Application	19 Aug 2014	P00201601704		
ALP0014	ALP0014INPCT	PCT Application	19 Aug 2014	201617005199		
ALP0014	ALP0014JPPCT	PCT Application	19 Aug 2014	2016-536372	01 Mar 2019	6485817
ALP0014	ALP0014KRPCT	PCT Application	19 Aug 2014	10-2016-7007035		
ALP0014	ALP0014MXPCD1	PCT Application Divisional	23 Feb 2021	MX/A/2021/002168		
ALP0014	ALP0014MXPCT	PCT Application	19 Aug 2014	MX/a/2016/002199		
ALP0014	ALP0014NZPCD1	PCT Application Divisional	19 Aug 2014	736517		
ALP0014	ALP0014NZPCT	PCT Application	19 Aug 2014	716822	30 Jan 2018	716822
ALP0014	ALP0014PHPCD1	PCT Application Divisional	16 Feb 2021	1-2021-550330		
ALP0014	ALP0014PHPCT	PCT Application	19 Aug 2014	1-2016-500332	21 Jul 2021	1-2016-500332
ALP0014	ALP0014SGPCT	PCT Application	19 Aug 2014	11201600977X		
ALP0014	ALP0014THPCT	PCT Application	19 Aug 2014	1601000934		
ALP0014	ALP0014TWNP	National Patent	21 Aug 2014	103128871	01 Jan 2019	1646080
ALP0014	ALP0014UAPCT	PCT Application	19 Aug 2014	201601391/A	16 Jun 2021	123854
ALP0014	ALP0014USCNT2	Continuation	19 Oct 2018	16/165865	01 Jun 2021	11021444
ALP0014	ALP0014USCNT3	Continuation	22 Mar 2021	17/208964		
ALP0014	ALP0014ZAPCT	PCT Application	19 Aug 2014	2016/01125		
ALP0015	ALP0015AUPCD1	PCT Application Divisional	09 Oct 2014	2019200096	17 Dec 2020	2019200096
ALP0015	ALP0015AUPCD2	PCT Application Divisional	03 Dec 2020	2020281091		
ALP0015	ALP0015AUPCT	PCT Application	09 Oct 2014	2014331863	09 May 2019	2014331863
ALP0015	ALP0015BRPCT	PCT Application	09 Oct 2014	BR112016007870-5		
ALP0015	ALP0015CAPCT	PCT Application	09 Oct 2014	2927010		
ALP0015	ALP0015CNPCD1	PCT Application Divisional	23 Aug 2021	202110968375.7		
ALP0015	ALP0015EPEPT	Euro-PCT Application	09 Oct 2014	14851776.6		
ALP0015	ALP0015ILPCT	PCT Application	09 Oct 2014	245014		
ALP0015	ALP0015INPCT	PCT Application	09 Oct 2014	201617014469		

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0015	ALP0015JPPCT	PCT Application	09 Oct 2014	2016-521765	02 Aug 2019	6562908
ALP0015	ALP0015KRPCT	PCT Application	09 Oct 2014	10-2016-7011883		
ALP0015	ALP0015MXPCD1	PCT Application Divisional	08 Feb 2021	MX/A/2021/001573		
ALP0015	ALP0015MXPCT	PCT Application	09 Oct 2014	MX/a/2016004558		
ALP0015	ALP0015SGPCD1	PCT Application Divisional	07 Jun 2018	10201804835V		
ALP0015	ALP0015USCNT1	Continuation	23 Oct 2017	15/790764	06 Aug 2019	10370401
ALP0015	ALP0015USNP	National Patent	09 Oct 2014	14/510451	09 Jan 2018	9862743
ALP0016	ALP0016ALEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	AL-P-2019-271
ALP0016	ALP0016AUPCT	PCT Application	10 Sep 2014	2014318837	12 Sep 2019	2014318837
ALP0016	ALP0016BEEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016BRPCD1	PCT Application Divisional	04 Mar 2021	122021004104-0		
ALP0016	ALP0016BRPCT	PCT Application	10 Sep 2014	BR112016005154.8		
ALP0016	ALP0016CAPCT	PCT Application	10 Sep 2014	2922943		
ALP0016	ALP0016CHEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016CNPCT	PCT Application	10 Sep 2014	201480061772.4	06 Aug 2019	201480061772.4
ALP0016	ALP0016DEEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	602014041490.7
ALP0016	ALP0016DKEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016EAEAT	Eurasian-PCT Application	10 Sep 2014	201690371	31 Mar 2020	34868
ALP0016	ALP0016EPEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016ESEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016FIEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016FREPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016GBEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016HREPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	P20190822T
ALP0016	ALP0016HUEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	E043349
ALP0016	ALP0016IEEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016ILPCT	PCT Application	10 Sep 2014	244434	31 Dec 2020	244434
ALP0016	ALP0016INPCT	PCT Application	10 Sep 2014	201617007401		
ALP0016	ALP0016ISEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016ITEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	502019000033300
ALP0016	ALP0016JPPCT	PCT Application	10 Sep 2014	2016-542074	29 Jun 2018	6360176

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ALP0016	ALP0016KRPCT	PCT Application	10 Sep 2014	10-2016-7008927		
ALP0016	ALP0016LLEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016LUEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016LVEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016MCEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016MKEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	909676
ALP0016	ALP0016MXPCT	PCT Application	10 Sep 2014	MX/A/2016/003135	29 Nov 2019	370085
ALP0016	ALP0016NLEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016NOEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016NZPCT	PCT Application	10 Sep 2014	717586		
ALP0016	ALP0016PHPCT	PCT Application	10 Sep 2014	1-2016-500492	25 Jun 2020	1-2016-500492
ALP0016	ALP0016RUEAT	Eurasian-PCT Application	10 Sep 2014	201690371	31 Mar 2020	34868
ALP0016	ALP0016SEEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	3030549
ALP0016	ALP0016SGPCT	PCT Application	10 Sep 2014	11201601576S	23 May 2018	11201601576S
ALP0016	ALP0016SIEPT	Euro-PCT Application	10 Sep 2014	14843298.2	20 Feb 2019	P-201431180
ALP0016	ALP0016USPCT	PCT Application	10 Sep 2014	15/021073	30 Jul 2019	10364226
ALP0016	ALP0016ZAPCT	PCT Application	10 Sep 2014	2016/01577		
ALP0017	ALP0017ALEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	AL/P/2020/000865
ALP0017	ALP0017AUPCD1	PCT Application Divisional	08 Jul 2021	2021204791		
ALP0017	ALP0017AUPCT	PCT Application	22 Jun 2015	2015280248	22 Jul 2021	2015280248
ALP0017	ALP0017BAEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	E03704
ALP0017	ALP0017BEEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017CAPCT	PCT Application	22 Jun 2015	2952966		
ALP0017	ALP0017CHEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017CNPCT	PCT Application	22 Jun 2015	201580045439.9		
ALP0017	ALP0017DEEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	602015059898.9
ALP0017	ALP0017DKEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017EPEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017EPETD1	Euro-PCT Application	26 Aug 2020	20192890.0		
ALP0017	ALP0017ESEPT	Divisional				
ALP0017	ALP0017ESEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	300393215

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0017	ALP0017FIEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017FREPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017GBEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017HKNP1	National Patent	27 Oct 2017	17110938.5	11 Jun 2021	1236843
ALP0017	ALP0017HKNP3	National Patent	28 Sep 2021	42021039617.2		
ALP0017	ALP0017HREPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	P20202014
ALP0017	ALP0017HUEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	E051986
ALP0017	ALP0017IEEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017ISEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017ITEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	502020000121454
ALP0017	ALP0017JPPCD1	PCT Application Divisional	01 Jul 2020	2020-114136		
ALP0017	ALP0017JPPCT	PCT Application	22 Jun 2015	2016-57548	03 Jul 2020	6728075
ALP0017	ALP0017LTEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017LUEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017LVEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017MAEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	40032
ALP0017	ALP0017MCEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017MKEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	MK/P/2020/001007
ALP0017	ALP0017MTEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017NLEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017NOEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017PHPCD1	PCT Application Divisional	24 Aug 2021	1-2021-552043		
ALP0017	ALP0017PHPCT	PCT Application	22 Jun 2015	1-2016-502564		
ALP0017	ALP0017SEEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	3160476
ALP0017	ALP0017SIEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	P- 201531469
ALP0017	ALP0017SMEPT	Euro-PCT Application	22 Jun 2015	15812231.7	30 Sep 2020	SM-T-202000716
ALP0017	ALP0017USCNT1	Continuation	02 Feb 2017	15/423270	04 Jun 2019	10307439
ALP0017	ALP0017USNP	National Patent	22 Jun 2015	14/746500	28 Mar 2017	9603864
ALP0018	ALP0018AUPCT	PCT Application	22 Jun 2015	2015280234	15 Jul 2021	2015280234
ALP0018	ALP0018CAPCT	PCT Application	22 Jun 2015	2952959		
ALP0018	ALP0018CNPCT	PCT Application	22 Jun 2015	201580045400.7	13 Aug 2021	201580045400.7
ALP0018	ALP0018REPEPT	Euro-PCT Application	22 Jun 2015	15810951.2		

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ALP0018	ALP0018JPPCT	PCT Application	22 Jun 2015	2016-575325	02 Mar 2020	6669675
ALP0018	ALP0018USCNT1	Continuation	08 Feb 2017	15/427964	21 Aug 2018	10052342
ALP0018	ALP0018USCNT2	Continuation	20 Aug 2018	16/105859	22 Sep 2020	10780105
ALP0018	ALP0018USCNT3	Continuation	24 Aug 2020	17/001512		
ALP0018	ALP0018USNP	National Patent	22 Jun 2015	14/746138	28 Mar 2017	9603863
ALP0025	ALP0025AUPCT	PCT Application	24 Feb 2016	2016222729	07 Jan 2021	2016222729
ALP0025	ALP0025CAPCT	PCT Application	24 Feb 2016	2977150		
ALP0025	ALP0025CNPCT	PCT Application	24 Feb 2016	201680024046.4		
ALP0025	ALP0025EPEPT	Euro-PCT Application	24 Feb 2016	16756295.8		
ALP0025	ALP0025JPPCT	PCT Application	24 Feb 2016	2017-544878	12 Jun 2020	6716587
ALP0025	ALP0025KRPCD1	PCT Application Divisional	05 Mar 2021	10-2021-7006854		
ALP0025	ALP0025MXPCT	PCT Application	24 Feb 2016	MX/A/2017/010933		
ALP0025	ALP0025NZPCT	PCT Application	24 Feb 2016	734983		
ALP0025	ALP0025TWNP	National Patent	25 Feb 2016	105105765	11 Sep 2020	1704135
ALP0025	ALP0025USNP	National Patent	24 Feb 2016	15/052631	23 Jul 2019	10358453
ALP0026	ALP0026AUPCT	PCT Application	09 Mar 2016	20162229147	18 Mar 2021	20162229147
ALP0026	ALP0026CAPCT	PCT Application	09 Mar 2016	2979216		
ALP0026	ALP0026CNPCT	PCT Application	09 Mar 2016	201680027747.3	27 Jul 2021	201680027747.3
ALP0026	ALP0026EAEAT	Eurasian-PCT Application	09 Mar 2016	201792008	21 Dec 2020	036776
ALP0026	ALP0026EPEPT	Euro-PCT Application	09 Mar 2016	16762448.5		
ALP0026	ALP0026HKNP	National Patent	10 May 2018	18106081.7		
ALP0026	ALP0026INPCT	PCT Application	09 Mar 2016	201727035309		
ALP0026	ALP0026MXPCT	PCT Application	09 Mar 2016	MX/A/2017/011655	25 Jun 2021	383931

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ALP0026	ALP0026RUEAT	Eurasian-PCT Application	09 Mar 2016	201792008	21 Dec 2020	036776
ALP0026	ALP0026TWNP	National Patent	11 Mar 2016	105107677		
ALP0026	ALP0026USNP	National Patent	09 Mar 2016	15/065627	19 Feb 2019	10208045
ALP0027	ALP0027USNP	National Patent	10 Mar 2017	15/455780	22 Jan 2019	10183945
ALP0034	ALP0034AUPCT1	PCT Application	09 Mar 2017	2017231824		
ALP0034	ALP0034CNPCT1	PCT Application	09 Mar 2017	201780028902.8		
ALP0034	ALP0034EPEPT1	Euro-PCT Application	09 Mar 2017	17764089.3		
ALP0034	ALP0034INPCT1	PCT Application	09 Mar 2017	201827037035		
ALP0034	ALP0034JPPCT1	PCT Application	09 Mar 2017	2018-547294	30 Mar 2021	6860585
ALP0034	ALP0034TWNP	National Patent	09 Mar 2017	106107827		
ALP0034	ALP0034USCNT1	Continuation	30 Jun 2020	16/916618		
ALP0034	ALP0034USPCT	PCT Application	09 Mar 2017	16/090715	18 Aug 2020	10745427
ALP0039	ALP0039ARNP1	National Patent	14 Sep 2017	P170102544		
ALP0039	ALP0039AUPCT1	PCT Application	14 Sep 2017	2017326372		
ALP0039	ALP0039BRPCT1	PCT Application	14 Sep 2017	BR112019004911-8		
ALP0039	ALP0039CAPCT1	PCT Application	14 Sep 2017	3037042		
ALP0039	ALP0039CNPCT1	PCT Application	14 Sep 2017	201780070383.1		
ALP0039	ALP0039EPEPT1	Euro-PCT Application	14 Sep 2017	17772270.9		
ALP0039	ALP0039HKNP1	National Patent	20 Dec 2019	62019000131.8		
ALP0039	ALP0039ILPCT1	PCT Application	14 Sep 2017	265359		
ALP0039	ALP0039INPCT1	PCT Application	14 Sep 2017	201917013124		

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ALP0039	ALP0039JPPCD1	PCT Application Divisional	28 Oct 2021	2021-176346		
ALP0039	ALP0039JPPCT1	PCT Application	14 Sep 2017	2019-514088	01 Nov 2021	6970187
ALP0039	ALP0039KRPCT1	PCT Application	14 Sep 2017	10-2019-7010486		
ALP0039	ALP0039MXPCT1	PCT Application	14 Sep 2017	MX/A/2019/002960		
ALP0039	ALP0039RUPCT1	PCT Application	14 Sep 2017	2019111020		
ALP0039	ALP0039SGPCT1	PCT Application	14 Sep 2017	11201902263Y		
ALP0039	ALP0039TWNP1	National Patent	14 Sep 2017	106131624		
ALP0039	ALP0039USCNT1	Continuation	05 Oct 2020	17/063080		
ALP0039	ALP0039USNP1	National Patent	14 Sep 2017	15/705137	06 Oct 2020	10793859
ALP0039	ALP0039ZAPCT1	PCT Application	14 Sep 2017	2019/02331		
ALP0042	ALP0042WOPCT1	PCT Application	30 Sep 2020	PCT/IB2020/059178		
ALP0043	ALP0043ARNP1	National Patent	02 Nov 2018	P180103199		
ALP0043	ALP0043AUPCT1	PCT Application	02 Nov 2018	2018362008		
ALP0043	ALP0043BRPCT1	PCT Application	02 Nov 2018	BR112020008546-4		
ALP0043	ALP0043CAPCT1	PCT Application	02 Nov 2018	3079157		
ALP0043	ALP0043CNPCT1	PCT Application	02 Nov 2018	201880071398.4		
ALP0043	ALP0043EPEPT1	Euro-PCT Application	02 Nov 2018	18826793.4		
ALP0043	ALP0043GCNP1	National Patent	01 Nov 2018	36363		
ALP0043	ALP0043HKNP1	National Patent	25 Feb 2021	62021026265.0		
ALP0043	ALP0043HKNP1	National Patent	25 Feb 2021	62021026265.0		
ALP0043	ALP0043JPPCT1	PCT Application	02 Nov 2018	2020-524265		
ALP0043	ALP0043KRPCT1	PCT Application	02 Nov 2018	10-2020-7015400		
ALP0043	ALP0043MXPCT1	PCT Application	02 Nov 2018	MX/A/2020/004600		
ALP0043	ALP0043RUPCT1	PCT Application	02 Nov 2018	2020117611		
ALP0043	ALP0043TWNP1	National Patent	02 Nov 2018	107139027		
ALP0043	ALP0043USDIV1	Divisional	05 Jan 2021	17/142192		
ALP0043	ALP0043USNP1	National Patent	02 Nov 2018	16/179786	02 Feb 2021	10905767
ALP0044	ALP0044ARNP	National Patent	13 Nov 2017	P170103156		
ALP0044	ALP0044AUPCT	PCT Application	13 Nov 2017	2017356221		
ALP0044	ALP0044CAPCT	PCT Application	13 Nov 2017	3043637		
ALP0044	ALP0044CNPCT	PCT Application	13 Nov 2017	201780083173.6		
ALP0044	ALP0044EPEPT	Euro-PCT Application	13 Nov 2017	17804414.5		



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ALP0044	ALP0044HKNP1	National Patent	03 Mar 2020	62020003626.2		
ALP0044	ALP0044HKNP2	National Patent	02 Mar 2020	62020003569.4		
ALP0044	ALP0044ILPCT	PCT Application	13 Nov 2017	266525		
ALP0044	ALP0044JPPCT	PCT Application	13 Nov 2017	2019-524363		
ALP0044	ALP0044KRPCT	PCT Application	13 Nov 2017	10-2019-7016640		
ALP0044	ALP0044TWP	National Patent	13 Nov 2017	106139190		
ALP0044	ALP0044USNP	National Patent	13 Nov 2017	15/810857		
ALP0046	ALP0046AUPCT1	PCT Application	14 Sep 2018	2018332214		
ALP0046	ALP0046BRPCT1	PCT Application	14 Sep 2018	BR112020005067-9		
ALP0046	ALP0046CAPCT1	PCT Application	14 Sep 2018	3075718		
ALP0046	ALP0046CLPCD1	PCT Application Divisional	12 Feb 2021	2021-381		
ALP0046	ALP0046CLPCT1	PCT Application	14 Sep 2018	2020-657		
ALP0046	ALP0046CNPCT1	PCT Application	14 Sep 2018	201880073842.6		
ALP0046	ALP0046EAEAT1	Eurasian-PCT Application	14 Sep 2018	202090719		
ALP0046	ALP0046EPEPT1	Euro-PCT Application	14 Sep 2018	18779806.1		
ALP0046	ALP0046HKNP1	National Patent	26 Jan 2021	62021024258.7		
ALP0046	ALP0046IDPCT1	PCT Application	14 Sep 2018	P00202002067		
ALP0046	ALP0046ILPCT1	PCT Application	14 Sep 2018	273274		
ALP0046	ALP0046INPCT1	PCT Application	14 Sep 2018	202017010850		
ALP0046	ALP0046JPPCT1	PCT Application	14 Sep 2018	2020-515191		
ALP0046	ALP0046KRPCT1	PCT Application	14 Sep 2018	10-2020-7010811		
ALP0046	ALP0046MXPCT1	PCT Application	14 Sep 2018	MX/A/2020/002882		
ALP0046	ALP0046NZPCT1	PCT Application	14 Sep 2018	762973		
ALP0046	ALP0046PHPCT1	PCT Application	14 Sep 2018	1-2020-550127		
ALP0046	ALP0046SGPCT1	PCT Application	14 Sep 2018	11202002294V		
ALP0046	ALP0046UAPCT1	PCT Application	14 Sep 2018	A202002366		
ALP0046	ALP0046USCNT1	Continuation	29 Oct 2021	17/514168		
ALP0046	ALP0046USPCT1	PCT Application	13 Mar 2020	16/647236	23 Nov 2021	11180524
ALP0046	ALP0046ZAPCT1	PCT Application	14 Sep 2018	2020/02345		

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0047	ALP0047APAF1	ARIPO-PCT Application	18 Sep 2018	AP/P/2020/012288		
ALP0047	ALP0047AUPCT1	PCT Application	18 Sep 2018	2018332540		
ALP0047	ALP0047BRPCT1	PCT Application	18 Sep 2018	112020005177-2		
ALP0047	ALP0047CAPCT1	PCT Application	18 Sep 2018	3075950		
ALP0047	ALP0047CLPCT1	PCT Application	18 Sep 2018	2020-685		
ALP0047	ALP0047CNPCT1	PCT Application	18 Sep 2018	201880074579.2		
ALP0047	ALP0047CRPCT1	PCT Application	18 Sep 2018	CR2020-0126		
ALP0047	ALP0047EAEAT1	Eurasian-PCT Application	18 Sep 2018	202090775		
ALP0047	ALP0047ECPCT1	PCT Application	18 Sep 2018	SENADI-2020-22130		
ALP0047	ALP0047EGPCT1	PCT Application	18 Sep 2018	492/2020		
ALP0047	ALP0047EPEPT1	Euro-PCT Application	18 Sep 2018	18783113.6		
ALP0047	ALP0047HKNP1	National Patent	27 Jan 2021	62021024371.8		
ALP0047	ALP0047ILPCT1	PCT Application	18 Sep 2018	273341		
ALP0047	ALP0047INPCT1	PCT Application	18 Sep 2018	202017016460		
ALP0047	ALP0047JPPCT1	PCT Application	18 Sep 2018	2020-537296		
ALP0047	ALP0047KRPCT1	PCT Application	18 Sep 2018	10-2020-7011130		
ALP0047	ALP0047MXPCT1	PCT Application	18 Sep 2018	MX/A/2020/002925		
ALP0047	ALP0047NGPCT1	PCT Application	18 Sep 2018	F/P/2020/89	13 Mar 2020	F/P/2020/89
ALP0047	ALP0047NZPCT1	PCT Application	18 Sep 2018	762937		
ALP0047	ALP0047OAPCT1	PCT Application	18 Sep 2018	1202000117	09 Sep 2020	19518
ALP0047	ALP0047PHPCT1	PCT Application	18 Sep 2018	1-2020-550114		
ALP0047	ALP0047SGPCT1	PCT Application	18 Sep 2018	11202002295Q		
ALP0047	ALP0047THPCT1	PCT Application	18 Sep 2018	2001001512		
ALP0047	ALP0047USCNT1	Continuation	26 Aug 2021	17/446007		
ALP0047	ALP0047USPCT1	PCT Application	18 Sep 2018	16/648405	19 Oct 2021	11149049
ALP0047	ALP0047VNPCT1	PCT Application	18 Sep 2018	1-2020-02160		
ALP0047	ALP0047ZAPCT1	PCT Application	18 Sep 2018	2020/02252		
ALP0048	ALP0048AUPCT1	PCT Application	30 Jan 2020	2020215175		
ALP0048	ALP0048CAPCT1	PCT Application	30 Jan 2020	3128455		
ALP0048	ALP0048CNPCT1	PCT Application	30 Jan 2020	202080012024.2		
ALP0048	ALP0048EPEPT1	Euro-PCT Application	30 Jan 2020	20704597.2		

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0048	ALP0048JPPCT1	PCT Application	30 Jan 2020	PCT/IB2020/050747		
ALP0048	ALP0048KRPCT1	PCT Application	30 Jan 2020	10-2021-7026477		
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ALP0048	ALP0048USPCT1	PCT Application	30 Jan 2020	17/426974		
ALP0048	ALP0048USPCT1	PCT Application	30 Jan 2020	17/426974		
ALP0048	ALP0048USPCT1	PCT Application	30 Jan 2020	17/426974		
ALP0055	ALP0055AUPCT1	PCT Application	14 Sep 2018	2018332216		
ALP0055	ALP0055BRPCT1	PCT Application	14 Sep 2018	BR112020004955-7		
ALP0055	ALP0055CAPCT1	PCT Application	14 Sep 2018	3075598		
ALP0055	ALP0055CNPCT1	PCT Application	14 Sep 2018	201880073585.6		
ALP0055	ALP0055EAEAT1	Eurasian-PCT Application	14 Sep 2018	202090720		
ALP0055	ALP0055EPEPT1	Euro-PCT Application	14 Sep 2018	18789214.6		
ALP0055	ALP0055HKNP1	National Patent	04 Feb 2021	62021024852.7		
ALP0055	ALP0055ILPCT1	PCT Application	14 Sep 2018	273137		
ALP0055	ALP0055INPCT1	PCT Application	14 Sep 2018	202017015563		
ALP0055	ALP0055JPPCT1	PCT Application	14 Sep 2018	2020-515139		
ALP0055	ALP0055KRPCT1	PCT Application	14 Sep 2018	10-2020-7010695		
ALP0055	ALP0055MXPCT1	PCT Application	14 Sep 2018	MX/A/2020/002885		
ALP0055	ALP0055SGPCT1	PCT Application	14 Sep 2018	11202002149X		
ALP0055	ALP0055USPCT1	PCT Application	14 Sep 2018	16/647377		
ALP0055	ALP0055ZAPCT1	PCT Application	14 Sep 2018	2020/02344		
ALP0057	ALP0057CAPCT1	PCT Application	21 Mar 2019	3094508		
ALP0057	ALP0057CNPCT1	PCT Application	21 Mar 2019	201980034104.5		
ALP0057	ALP0057EPEPT1	Euro-PCT Application	21 Mar 2019	19718493.0		
ALP0057	ALP0057HKNP1	National Patent	07 Jun 2021	62021032604.2		
ALP0057	ALP0057INPCT1	PCT Application	21 Mar 2019	202017045099		
ALP0057	ALP0057JPPCT1	PCT Application	21 Mar 2019	2020-550071		

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP0057	ALP0057USPCT1	PCT Application	21 Mar 2019	17/040029		
ALP0058	ALP0058AUPCT1	PCT Application	04 Dec 2019	PCT/IB2019/060430		
ALP0058	ALP0058BRPCT1	PCT Application	04 Dec 2019	112021010236-1		
ALP0058	ALP0058CAPCT1	PCT Application	04 Dec 2019	PCT/IB2019/060430		
ALP0058	ALP0058CNPCT1	PCT Application	04 Dec 2019	201980091918.2		
ALP0058	ALP0058EPEPT1	Euro-PCT Application	04 Dec 2019	19820875.3		
ALP0058	ALP0058JPPCT1	PCT Application	04 Dec 2019	2021-533440		
ALP0058	ALP0058KRPCT1	PCT Application	04 Dec 2019	10-2021-7021513		
ALP0058	ALP0058MXPCT1	PCT Application	04 Dec 2019	MX/A/2021/006992		
ALP0058	ALP0058RUPCT1	PCT Application	04 Dec 2019	2021119201		
ALP0058	ALP0058USPCT1	PCT Application	04 Dec 2019	17/413185		
ALP0059	ALP0059AUPCT1	PCT Application	04 Dec 2019	2019398792		
ALP0059	ALP0059BRPCT1	PCT Application	04 Dec 2019	112021010351-1		
ALP0059	ALP0059CAPCT1	PCT Application	04 Dec 2019	3122410		
ALP0059	ALP0059CNPCT1	PCT Application	04 Dec 2019	201980091917.8		
ALP0059	ALP0059EPEPT1	Euro-PCT Application	04 Dec 2019	19820876.1		
ALP0059	ALP0059JPPCT1	PCT Application	04 Dec 2019	2021-533526		
ALP0059	ALP0059KRPCT1	PCT Application	04 Dec 2019	10-2021-7021548		
ALP0059	ALP0059MXPCT1	PCT Application	04 Dec 2019	MX/A/2021/006993		
ALP0059	ALP0059RUPCT1	PCT Application	04 Dec 2019	2021119202		
ALP0059	ALP0059USPCT1	PCT Application	04 Dec 2019	17/413327		
ALP0061	ALP0061WOPCT2	PCT Application	01 Apr 2021	PCT/IB2021/052750		
ALP1004	ALP1004AUPCT1	PCT Application	09 Oct 2019	2019359539		
ALP1004	ALP1004CAPCT1	PCT Application	09 Oct 2019	3115792		
ALP1004	ALP1004CNPCT1	PCT Application	09 Oct 2019	201980082149.X		
ALP1004	ALP1004EPEPT1	Euro-PCT Application	09 Oct 2019	19787467.0		
ALP1004	ALP1004JPPCT1	PCT Application	09 Oct 2019	PCT/IB2019/058591		
ALP1004	ALP1004KRPCT1	PCT Application	09 Oct 2019	10-2021-7013939		
ALP1004	ALP1004MXPCT1	PCT Application	09 Oct 2019	MX/A/2021/004182		
ALP1004	ALP1004TWNPT1	National Patent	09 Oct 2019	108136776		
ALP1004	ALP1004USPCT1	PCT Application	09 Oct 2019	17/284162		

Family Number	Case reference	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number
ALP1006	ALP1006WOPCT1	PCT Application	26 Mar 2021	PCT/IB2021/052544		
ALP1007	ALP1007WOPCT1	PCT Application	15 Mar 2021	PCT/IB2021/052141		
ALP1008	ALP1008WOPCT1	PCT Application	30 Mar 2021	PCT/IB2021/052595		
ALP1009	ALP1009WOPCT1	PCT Application	31 Mar 2021	PCT/IB2021/052704		
ALP1010	ALP1010USPSP1	Provisional specification	13 Aug 2020	63/065487		
ALP1010	ALP1010WOPCT1	PCT Application	13 Aug 2021	PCT/IB2021/057497		