PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7847500

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ABBVIE OVERSEAS S.Á.R.L.	12/21/2020

RECEIVING PARTY DATA

Name:	ABBVIE GLOBAL LIMITED
Street Address:	16 CHURCH STREET
Internal Address:	4TH FLOOR, WASHINGTON HOUSE
City:	HAMILTON
State/Country:	BERMUDA
Postal Code:	HM11

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	10844041

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.

Phone: 4142775000

Email: pat-dept@quarles.com, meighan.flanigan@quarles.com

Correspondent Name: QUARLES & BRADY LLP Address Line 1: 411 E. WISCONSIN AVE

Address Line 2: SUITE 2400

Address Line 4: MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER:	154561.00387_ABV12400USC1
NAME OF SUBMITTER:	MEIGHAN M. FLANIGAN
SIGNATURE:	/Meighan M. Flanigan/
DATE SIGNED:	03/15/2023

Total Attachments: 30

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page1.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page2.tif

PATENT REEL: 063100 FRAME: 0017

507800370

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page3.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page4.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page5.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page6.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page7.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page8.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page9.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page10.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page11.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page12.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page13.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page14.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page15.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page16.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page17.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page18.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page19.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page20.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page21.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page22.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page23.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page24.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page25.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page26.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page27.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page28.tif

source=154561-00044-ABV12109USO1-2020 12 21 Agreement-AbbVie Overseas to AbbVie Global Limited with

Exhibit A#page29.tif

source=154561-00044-ABV12109USO1-2020_12_21_Agreement-AbbVie Overseas to AbbVie Global Limited with Exhibit A#page30.tif

CONTRIBUTION AND ASSUMPTION AGREEMENT

4 ž

This Contribution and Assumption Agreement ("Agreement") is made and entered into as of December 21, 2020 (the "Effective Date") by and between ABBVIE OVERSEAS S.À R.L., a private limited liability company (société à responsabilité limitée) organized under the laws of the Grand Duchy of Luxembourg, having its registered office at 26, boulevard Royal, L-2449 Luxembourg, Grand Duchy of Luxembourg and registered with the Luxembourg Register of Trade and Companies (R.C.S. Luxembourg) under number B167837 ("Parent"), and ABBVIE GLOBAL LIMITED, an exempted company limited by shares organized and existing under the laws of Bermuda, having its registered office at 4th Floor, Washington House, 16 Church Street, Hamilton, HM11, Bermuda ("Subsidiary").

RECITALS

- A. Subsidiary became wholly-owned by Parent pursuant to that certain share contribution agreement made and entered into as of the Effective Date by and between AbbVie International S.à r.l., a Luxembourg private limited liability company, and Parent.
- B. Parent and Subsidiary are owned indirectly by AbbVie Inc., a Delaware corporation ("AbbVie") that is the parent of a global group of affiliates.
- C. Parent desires to contribute, transfer, assign and novate the Contributed Assets (as defined below) to Subsidiary as a gratuitous contribution to Subsidiary's contributed surplus account which for greater certainty will not result in Subsidiary issuing any consideration, including shares or securities convertible into shares, or incurring repayment obligations of any kind in connection with such contribution, on the terms and conditions of this Agreement. In connection with the contribution of the Contributed Assets, Parent is also willing to transfer and assign the Post-Effective Date Obligations (as defined below) to Subsidiary, on the terms and conditions of this Agreement.
- D. Subsidiary is willing to accept the contribution, transfer, assignment and novation of the Contributed Assets as a gratuitous contribution to Subsidiary's contributed surplus account, on the terms and conditions of this Agreement. In connection with the contribution of the Contributed Assets, Subsidiary is also willing to accept and assume the Post-Effective Date Obligations, on the terms and conditions of this Agreement.
- E. Parent and Subsidiary are entering into this Agreement to document and effectuate the contribution, transfer and assignment of the Contributed Assets by Parent to Subsidiary and the transfer and assignment of the Post-Effective Date Obligations by Parent to Subsidiary.
- F. The contribution, transfer, assignment and novation of the Contributed Assets and the transfer and assignment of the Post-Effective Date Obligations are part of a restructuring undertaken to realign intellectual property owned by certain wholly-owned subsidiaries of AbbVie, including, but not limited to, Parent.
- G. Following the transfer and assignment of the Contributed Assets, Subsidiary will have primary responsibility for further development and commercialization of the Contributed Assets, so as to facilitate the efficient management of the Contributed Assets and otherwise improve operational efficiency.

NOW, **THEREFORE**, in consideration of the mutual covenants and agreements set forth below, the Parties hereby agree as follows:

1. DEFINED TERMS

As used in this Agreement, the following terms shall have the following meanings:

- (a) "Action" means any legal or administrative proceeding, suit, claim, audit, investigation, arbitration, mediation or action.
- (b) "Affiliate" means any corporation, firm, partnership, limited liability company or other entity, whether de jure or de facto, that directly or indirectly owns, is owned by, or is under common ownership with a Party, to the extent of at least fifty percent (50%) of the equity having the power to vote on or direct the affairs of the entity, and any person, firm, partnership, corporation, limited liability company or other entity actually controlled by, controlling, or under common control with a Party; provided, however, that the term "Affiliate" shall not include either Party.
- (c) "Contributed Assets" means the Intellectual Property Rights, the Transferred Agreements and other assets described on Exhibit A hereto, provided, however, that in no event shall the Contributed Assets include the Excluded Assets.
- (d) "Excluded Assets" means all assets of Parent other than the Contributed Assets.
- (e) "Excluded Obligations" means all liabilities and obligations of Parent other than the Post-Effective Date Obligations. Excluded Obligations includes in particular all liabilities and obligations of Parent accrued for on the balance sheet of Parent prior to the Effective Date.
- (f) "Intellectual Property Rights" means the following rights, whether now or hereafter existing, acquired, filed, issued, perfected, registered or recorded by Parent, including, without limitation:
 - (i) any and all inventions, invention disclosures, discoveries, and improvements, whether or not patentable;
 - (ii) any and all "Patents", the term Patents to include: (1) priority rights and rights to claim priority; (2) applications for provisional, national, regional and international patents, certificates of invention, and all applications claiming priority therefrom, including, converted provisionals, continuations, continuations-in-part, divisionals, and continued prosecution applications; (3) national patents issued or granted from the foregoing (2), including utility patents, utility models, petty patents, design patents and certificates of invention, (4) extensions or restorations by existing of future extension or restoration mechanisms, including reexaminations, revalidations, reissues, supplementary protection certificates, pediatric exclusivity periods, and the like of the foregoing (2) and (3), (5) similar rights, including so-called pipeline protection, confirmation, or registration patent or patent of addition of the foregoing (2) and (3);

- (iii) all rights to publish cautionary notices reserving ownership of said subject matter;
- (iv) all rights to register said Patents in appropriate registries throughout the world:
- (v) any and all rights in and to works of authorship and rights associated with works of authorship (collectively, "Copyrights"), including without limitation: (1) copyrights, rights in and to copyright applications and copyright registrations, respectively issued or filed throughout the world; (2) moral rights or rights to claim authorship to or to object to any distortion, mutilation, or other modification or other derogatory action in relation to a work, whether or not such would be prejudicial to the author's reputation, and any similar right existing under common or statutory law of any country in the world or under any treaty, regardless of whether or not such right is denominated or generally referred to as a "moral right"; (3) any and all rights to prosecute, register, obtain or maintain copyright applications, registrations or extensions for any of the foregoing; and (4) the right to sue in its own name and recover damages for past, present or future infringement or misappropriation of any of the foregoing;
- (vi) any and all worldwide rights in and to any and all trademarks, service marks, trade names, trade dress, logos, designs and slogans, in word mark, stylized design and/or any other format, and domain names (collectively, "Trademarks"), including without limitation any and all rights in and to any registrations of, or applications for, any of the foregoing items, and including without limitation: (1) any and all common law trademarks and service marks; (2) any and all of the goodwill of the business associated with and symbolized by the foregoing items; and (3) the right to sue in its own name and recover damages for past, present or future infringement or misappropriation of any of the foregoing;
- (vii) any and all rights relating to trade secrets, including without limitation: (1) those trade secrets defined in the Uniform Trade Secrets Act and under any corresponding foreign or state statutory or common law; (2) any and all rights in and to confidential business, technical and know-how information; and (3) the right to sue in its own name and recover damages for past, present or future infringement or misappropriation of any of the foregoing;
- (viii) any and all proprietary information, know-how, materials and technology related to any of the foregoing;
- (ix) any and all goodwill associated with or symbolized by the foregoing items; and
- (x) the right to sue in its own name and recover damages for past, present or future infringement or misappropriation of any of the foregoing (i) through (ix).
- (g) "Party" means either Parent or Subsidiary and "Parties" means Parent and Subsidiary collectively.
- (h) "Post-Effective Date Obligations" means the following liabilities and obligations:

- (i) of Parent related to the ownership, operation or use of the Contributed Assets from and after the Effective Date, including, without limitation, all liabilities and obligations of Parent arising under the Transferred Agreements for an occurrence or event or actions taken or failed to be taken from and after the Effective Date under such Transferred Agreements; and
- (ii) arising out of claims made by any Third Party in any Action against Parent after the Effective Date to the extent relating to, arising out of or resulting from (A) the Contributed Assets or the Post-Effective Date Obligations referred to in clause (i) above and (B) an occurrence or event happening after the Effective Date;

provided, however, that in no event shall the Post-Effective Date Obligations include the Excluded Obligations.

- (i) "Products or Compounds" means the products or compounds listed on Exhibit B attached hereto.
- (j) "Third Party" or "Third Parties" means any person or entity other than a Party or an Affiliate of a Party.

2. CONTRIBUTION, TRANSFER AND ASSIGNMENT OF CONTRIBUTED ASSETS

- 2.1 Contribution by Parent. Subject to Section 10, as of the Effective Date Parent hereby contributes, transfers, assigns, novates and conveys to Subsidiary all of Parent's rights, title and interest in and to the Contributed Assets as an irrevocable, non-refundable and unconditional gratuitous contribution to Subsidiary's contributed surplus account; no form of consideration will be paid and the contribution, transfer, assignment and novation of the Contributed Assets will not result in the issuance of any shares by Subsidiary to Parent or the grant by Subsidiary of any rights to Parent. In connection with the contribution of the Contributed Assets, Parent also hereby transfers, assigns and novates the Post-Effective Date Obligations to Subsidiary.
- 2.2 Acceptance by Subsidiary. Subject to Section 10, as of the Effective Date, Subsidiary hereby accepts the contribution, transfer, assignment, novation and conveyance of the Contributed Assets as an irrevocable, non-refundable and unconditional gratuitous contribution to Subsidiary's contributed surplus account by Parent, its sole shareholder, without any form of consideration paid nor any issuance of shares by Subsidiary to Parent. As of the Effective Date, Subsidiary hereby accepts and assumes the Post-Effective Date Obligations.
- 2.3 Treatment of Contribution in Kind No Gift. The Parties agree that the contribution of the Contributed Assets, shall be recorded by Subsidiary as a gratuitous capital contribution from its sole shareholder and that no additional shares shall be issued to Parent in consideration of or in connection with this Agreement and/or the contribution, transfer, assignment, novation and conveyance of the Contributed Assets to Subsidiary. The contribution of the Contributed Assets does not constitute and shall not be qualified as a gift made by Parent to Subsidiary since this contribution is implemented to a whollyowned subsidiary of Parent and is made exclusively in consideration for the economic interest of Parent.

2.4 Rights Included. This contribution, transfer and assignment includes the right to sue for past, present and future infringement and/or misappropriation claims with respect to the Contributed Assets. Without limiting the foregoing, the Parties acknowledge and agree that all current and future rights of Parent arising under or related to each of the Transferred Agreements, including without limitation any right to receive payments thereunder and the right to sue in the name of Parent (or any of its predecessors or assignors) or in the name of Subsidiary for past, present and future infringement and/or misappropriation claims and recover damages and the right to recover damages for past, present or future breaches or defaults under each of the Transferred Agreements, are hereby contributed and assigned by Parent to Subsidiary as of the Effective Date.

3. WARRANTY BY PARENT

Parent represents and warrants to Subsidiary that Parent has the right to transfer the Contributed Assets to Subsidiary. On the Effective Date Parent hereby conveys good and marketable title to Subsidiary with respect to those Contributed Assets to which Parent holds title. On the Effective Date, Parent hereby conveys to Subsidiary all of Parent's rights and interests in and to those Contributed Assets to which Parent holds beneficial or other rights thereto.

4. "AS IS" CONDITION OF CONTRIBUTED ASSETS

EXCEPT FOR THE FOREGOING WARRANTY OF PARENT, THE CONTRIBUTED ASSETS ARE BEING CONTRIBUTED, TRANSFERRED, ASSIGNED AND CONVEYED TO SUBSIDIARY IN "AS IS" CONDITION, WITHOUT ANY EXPRESS, IMPLIED OR STATUTORY WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OPERABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF THIRD PARTY RIGHTS, AND THOSE ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE.

5. BULK SALES LAWS

Each Party waives compliance with any applicable bulk sales law and any other similar laws in any applicable jurisdictions in respect of the transactions contemplated by this Agreement, including without limitation any applicable tax law that may require notification of tax authorities and related actions in respect of transfers of assets outside of the ordinary course of business.

6. POST-EFFECTIVE DATE OBLIGATIONS

Subject to Section 10, following the transfers described in Section 2 of this Agreement, Subsidiary shall be fully and solely responsible for the Post-Effective Date Obligations, and Subsidiary does hereby expressly accept full and sole responsibility for the Post-Effective Date Obligations as of the Effective Date. If Parent, on the one hand, or Subsidiary, on the other hand, after the Effective Date receives any funds properly belonging to the other Party in accordance with the terms of this Agreement, the receiving Party will promptly so advise such other Party, will segregate and hold such funds in trust for the benefit of such other Party and will promptly deliver such funds, together with any interest earned thereon, to an account or accounts designated in writing by such other Party. If any Action is finally determined or settled following the Effective Date that relates

to occurrences or events occurring prior to and after the Effective Date, Parent shall be entitled to any amounts recovered from and be responsible for amounts payable to a Third Party to the extent attributable to the occurrence or event occurring prior to the Effective Date.

7. INDEMNIFICATION

Subsidiary shall indemnify and hold harmless Parent, its managers, officers, shareholders, representatives and agents from and against any and all Third Party claims, losses, damages, demands, liabilities, obligations, actions and causes of action, of any kind or nature whatsoever in law or in equity, arising out of or related to the Post-Effective Date Obligations.

Parent shall indemnify and hold harmless Subsidiary, its directors, officers, shareholders, representatives and agents from and against any and all Third Party claims, losses, damages, demands, liabilities, obligations, actions and causes of action, of any kind or nature whatsoever in law or in equity, arising out of or related to the Excluded Obligations.

8. FURTHER ASSURANCES

Parent hereby covenants and agrees to take such further actions and execute such additional documents as may be reasonably requested by Subsidiary to further effect the contributions, transfers, assignments and conveyances of the Contributed Assets as set forth in this Agreement. Subsidiary hereby covenants and agrees to take such further actions and execute such additional documents as may be reasonably requested by Parent to further effect the provisions set forth in this Agreement. The Parties shall complete Schedules 1 - 2 within 180 days of the Effective Date.

9. NON-ASSIGNABLE ASSETS

It is the intention of the Parties that the contribution of the Contributed Assets shall be effective as of the Effective Date, from and after which date Subsidiary shall be the beneficial owner of the Contributed Assets for all purposes and that all the benefits and burdens of ownership of the Contributed Assets shall transfer to Subsidiary on the Effective Date. Notwithstanding anything in this Agreement to the contrary, however, this Agreement shall not constitute a contribution or transfer of any Contributed Asset if an attempted contribution, transfer or assignment thereof would constitute a breach or other contravention of any agreement with any Third Party, or violate any applicable law, rule, regulation, or order of any court, legislative body or governmental agency, or in any way adversely affect the rights of Parent with respect to such Contributed Asset. To the extent any transfers contemplated by this Agreement have not been fully effected on or before the Effective Date, Parent and Subsidiary shall cooperate and use commercially reasonable efforts to obtain any necessary consents or approvals or take any other actions necessary to effect such transfers as promptly as practicable following the Effective Date. If an attempted contribution or transfer of a Contributed Asset would be ineffective or would adversely affect the rights of Subsidiary such that it would not in fact receive all such Contributed Assets, then Parent instead will cooperate to provide Subsidiary with the economic and commercial benefits of such Contributed Asset. Parent, at Subsidiary's expense, will enforce for the benefit of Subsidiary any rights of Parent against a Third Party with respect to any such non-assignable or non-transferable Contributed Asset.

Each Contributed Asset is contributed and accepted, as the case may be, subject to any pre-existing rights or encumbrances.

10. REPRESENTATIONS AND WARRANTIES REGARDING AUTHORITY

Each Party represents and warrants to the other Party that (a) it has full power, authority and legal right to execute and deliver this Agreement and to perform its obligations hereunder, and (b) this Agreement constitutes its legal, valid and binding obligation, enforceable against such Party in accordance with its terms.

11. MISCELLANEOUS PROVISIONS

- 11.1 Entire Agreement. The Parties acknowledge that this Agreement, together with its Exhibits and Schedules, evidences the complete, final and exclusive embodiment of the Parties' understanding and agreement with respect to the contribution, transfer and assignment of the Contributed Assets by Parent to Subsidiary. The Parties acknowledge and agree that (a) only the Contributed Assets, and no other assets, interests or rights of Parent, are being contributed, transferred, assigned or delivered to Subsidiary pursuant to this Agreement, and (b) Subsidiary shall only be responsible for the Post-Effective Date Obligations, and Subsidiary shall not be responsible for any other liabilities or obligations of Parent.
- 11.2 Amendment. This Agreement may not be altered or amended except by a written instrument executed by authorized representatives on behalf of each of the Parties.
- 11.3 Governing Law; Disputes. The laws of Delaware (excluding its rules governing conflicts of laws that may require an application of a different law) shall govern the construction, interpretation and other matters arising out of or in connection with this Agreement (whether arising in contract, tort, equity or otherwise), except to the extent that mandatory provisions of other jurisdictions apply to the sale, transfer and assignment of the Contributed Assets. Any Action or proceeding arising out of or relating to this Agreement or the transactions contemplated by this Agreement must be brought in the Court of Chancery or the Superior Court of the State of Delaware in and for New Castle County, Delaware (unless the federal courts have exclusive jurisdiction over the matter, in which case the United States District Court for the District of Delaware) and not in any other State or Federal court in the United States of America or any court in any other country. Each of the Parties knowingly, voluntarily and irrevocably submits to the exclusive jurisdiction of each such court in any such Action or proceeding and waives any objection it may now or hereafter have to venue or to convenience of forum.
- 11.4 Severability. The invalidity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision and, if possible, the invalid or unenforceable provision shall be reformed and deemed modified to be consistent with the Parties' essential purpose of contributing, transferring and assigning to Subsidiary all rights and obligations of Parent arising under or related to the Contributed Assets.
- **11.5** Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors and assigns.

11.6 Counterparts. This Agreement may be executed in counterparts and, upon delivery of counterparts that together show the execution by each of the Parties, shall constitute one agreement which shall be binding upon the Parties.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized representatives, and made effective as of the Effective Date.

ABB\	/1E	O)	/ERS	EAS	S À	ÐΙ
ADD	716	•			u.n	N.L.

ABBVIE GLOBAL LIMITED

By: THOUS SWAN

Бу. _____

Name: Elzbieta Szlaga

Name: Jonathan C. Clipper

Title: Category A Manager

Title: Director

4668655

SIGNATURE PAGE TO CONTRIBUTION AGREEMENT

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized representatives, and made effective as of the Effective Date.

ABBVIE OVERSEAS S.À R.L.	ABBVIE GLOBAL LIMITED
_	By: Inathan Clipser
Ву:	By: prathau Clipper
Name: Elzbieta Szlaga	Name: Jonathan C. Clipper
Title: Category A Manager	Title: Director

4668655

SIGNATURE PAGE TO CONTRIBUTION AGREEMENT

REEL: 063100 FRAME: 0029

EXHIBIT A

CONTRIBUTED ASSETS

- 1. All Intellectual Property Rights related to the Products or Compounds, as such Intellectual Property Rights exist as of the Effective Date, including the Patents listed in <u>Schedule 1</u> and the Trademarks listed in <u>Schedule 2</u>.
- All rights, interests and claims as of the Effective Date to all clinical study data, reports and analyses, regulatory applications, approvals and licenses, information prepared in connection with obtaining approval, and product and marketing registrations related to the Products or Compounds.
- 3. All rights, interests and claims of Transferor arising under or pursuant to any agreements related to the Products or Compounds, including, but not limited to, those listed on <u>Exhibit C</u> hereto (the "<u>Transferred Agreements</u>") to the extent effective as of the Effective Date.

SCHEDULE 1

Patents

ABV12109ECO1	ABV12109DOO1		ABV12109DKO1		ABV12109DEO1		ABV12109CZO1		ABV12109CYO1	ABV12109CRO1		ABV12109COO1		ABV12109CNO1	ABV12109CLO1		ABV12109CHO1	ABV12109CAO1	ABV12109BRO1		ABV12109BGO1		ABV12109BEO1		ABV12109AUO1		ABV12109ATO1	ABV12109ARO1		ABV12109ALO1	Case Ref Number
Ecuador - (EC)	Dominican Republic - (DO)		Denmark - (DK)		Germany - (DE)		Czechia - (CZ)		Cyprus - (CY)	Costa Rica - (CR)		Colombia - (CO)		China - (CN)	Chile - (CL)		Switzerland - (CH)	Canada - (CA)	Brazil - (BR)		Bulgaria - (BG)		Belgium - (BE)		Australia - (AU)		Austria - (AT)	Argentina - (AR)		Albania - (AL)	Country
IEPI-2017-33565	P2017-0104		15854320.7		15854320.7		15854320.7		15854320.7	2017-0227		NC2017/0005421		201580071713.X	01061-2017		15854320.7	2965981	BR1120170087901		15854320.7		15854320.7		2015339336		15854320.7	20150103536		AL/P/2020/0689	Application Number
10/28/2015	10/28/2015	10/28/2015		10/28/2015		10/28/2015		10/28/2015		10/28/2015	10/28/2015		10/28/2015		10/28/2015	10/28/2015		10/28/2015	10/28/2015	10/28/2015		10/28/2015		10/28/2015		10/28/2015		10/30/2015	10/28/2015		Application Date
			3212189		602015058945.9		3212189		3212189			35093		201580071713.X			3212189				3212189		3212189		2015339336		E 1310698			9496	Patent Number
		9/9/2020		9/9/2020		9/9/2020		9/9/2020			4/22/2019		2/9/2021			9/9/2020				9/9/2020		9/9/2020		1/23/2020		9/9/2020			9/9/2020		Grant Date
Filed - (F)	Filed - (F)	(G)	Granted -	(G)	Granted -	(G)	Granted -	(G)	Granted -	Filed - (F)	(G)	Granted -	(G)	Granted -	Filed - (F)	(G)	Granted -	Filed - (F)	Filed - (F)	(G)	Granted -	(G)	Granted -	(G)	Granted -	(G)	Granted -	Filed - (F)	(G)	Granted -	Status

Filed - (F)			10/28/2015	10-2017-7014811	Korea, Republic of - (KR)	ABV12109KRO1
(G)	3/16/2020	00/0040	10/28/2015	2017-342/32	Japan - (Jr)	ABVIZIOSIPOI
(a)	9/9/2020	000000	CT07/87/0T	2047 542702		A D. / 1 2 1 00 ID 0 1
Granted -	0 (0)	3212189	10/20/21	502020000106748	Italy - (IT)	ABV12109ITO1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	Iceland - (IS)	ABV12109ISO1
Filed - (F)			10/28/2015	201717015365	India - (IN)	ABV12109INO1
Granted - (G)	9/1/2020	251996	10/28/2015	251996	Israel - (IL)	ABV12109ILO1
(G)	9/9/2020	3212189	10/28/2015	15854320.7	Ireland - (IE)	ABVIZIO9IEOI
Filed - (F)			10/28/2015	P00201703381	Indonesia - (ID)	ABV12109IDO1
(G)	9/9/2020	EU523/3	10/28/2015	15854320.7	nungary - (HO)	ABVIZIO9HOOI
Granted - (G)	9/9/2020	P20201666	10/28/2015	P20201666	Croatia - (HR)	ABV12109HRO1
(G)	5/14/2021		9/14/2017			
Granted -		1246635		17109345.4	Hong Kong - (HK)	ABV12109HKO1
Filed - (F)			10/28/2015	A-2017-000092	Guatemala - (GT)	ABV12109GTO1
Granted - (G)	9/9/2020	3105385	10/28/2015	20200403060	Greece - (GR)	ABV12109GRO1
Filed - (F)			10/29/2015	2015/30282	Gulf Cooperation Council - (GC)	ABV12109GCO1
(G)	9/9/2020		10/28/2015		Northern Ireland - (GB)	
Granted -		3212189		15854320.7	United Kingdom of Great Britain and	ABV12109GBO1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	France - (FR)	ABV12109FRO1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	Finland - (FI)	ABV12109FIO1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	Spain - (ES)	ABV12109ESO1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	European Patent Convention - (EP)	ABV12109EPO1
Docketed - (D)					European Patent Convention - (EP)	ABV12109EPD1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	Estonia - (EE)	ABV12109EEO1

/005681	10/28/2015 10/28/2015 10/28/2015 10/28/2015 10/28/2015 10/28/2015 10/28/2015	10/28/2015 10/28/2015 10/28/2015 10/28/2015 10/28/2015 10/28/2015 10/28/2015
15854320.7	10/28/2015	
212189 9/9/2020 212189 9/9/2020 212189 9/9/2020 212189 9/9/2020 212189 9/9/2020 212189 9/9/2020 212189 9/9/2020	9/9/2020 9/9/2020 9/9/2020 9/9/2020 9/9/2020	

Granted - (G)	3/21/2018	3134430	4/23/2015	15721089.9	Belgium - (BE)	ABV12189BEO1
Granted - (G)	3/21/2018	3134430	4/23/2015	15721089.9	Bosnia and Herzegovina - (BA)	ABV12189BAO1
Granted - (G)	1/17/2019	2015249649	4/23/2015	2015249649	Australia - (AU)	ABV12189AUO1
Granted - (G)	4/16/2020	2018271369	11/30/2018	2018271369	Australia - (AU)	ABV12189AUD1
(6)	3/21/2018		4/23/2015			
Granted -		3134430		15721089.9	Austria - (AT)	ABV12189ATO1
Filed - (F)			4/23/2015	20150101224	Argentina - (AR)	ABV12189ARO1
(G)	3/21/2018		4/23/2015			
Granted -		7423		AL/P/2018/0371	Albania - (AL)	ABV12189ALO1
Granted - (G)	11/28/2018	2017/03075	10/28/2015	2017/03075	South Africa - (ZA)	ABV12109ZAO1
Filed - (F)			10/28/2015	1-2017-01979	Vietnam - (VN)	ABV12109VNO1
Filed - (F)			10/30/2015	36379	Uruguay - (UY)	ABV12109UYO1
(G)	5/9/2017	9042831	10/28/2015	14/323043	Olliten States of Willelika - (03)	ABVIZIOSOSOI
<u> </u>	1/27/2021	06/13831	10/28/2015	1//0256/0	Inited States of America - (IIS)	ARV121001ISO1
Granted -		122965		a201705277	Ukraine - (UA)	ABV12109UAO1
(6)	4/21/2020		10/30/2015			
Granted -		1691496		104135934	Taiwan (Province of China) - (TW)	ABV12109TWO1
Granted - (G)	9/9/2020	TR202017512T4	10/28/2015	15854320.7	Turkey - (TR)	ABV12109TRO1
Filed - (F)			10/28/2015	1701002334	Thailand - (TH)	ABV12109THO1
(G)	9/9/2020		10/28/2015			
Granted -		3212189		SM-T-202000664	San Marino - (SM)	ABV12109SMO1
(G)	9/9/2020		10/28/2015			
Granted -		3212189		15854320.7	Slovakia - (SK)	ABV12109SKO1
(G)	9/9/2020	3212189	10/28/2015	201331330	Sioverila - (SI)	ABV121033101
2 2	010/2/2010	2212100	10/20/2013	201521200	Clavania (CI)	A B V / 1 2 1 00 C 10 1
Granted -	E /0 /2010	11201703391V	10/20/2015	11201703391V	Singapore - (SG)	ABV12109SGO1
Granted - (G)	9/9/2020	3212189	10/28/2015	15854320.7	Sweden - (SE)	ABV12109SEO1
-	•	=	•	-		=

ABV12189GBO1	ABV12189FRO1	ABV12189FIO1	ABV12189ESU1		ABV12189EPO1	ABV12189EPD1	ABVIZI89EEOI	ABV12189ECU1	ABVIZIASECCI	ADVA 200000	ABV12189DKO1		ABV12189DEO1	ABV12189CZO1		ABV12189CYO1	ABV12189CRO1		ABV12189COO1		ABV12189CNO1	ABV12189CND1	ABV12189CLO1	ABV12189CHO1	ABV12189CAO1	ABV12189BRO1	ABV12189BGO1
United Kingdom of Great Britain and Northern Ireland - (GB)	France - (FR)	Finland - (FI)	Spain - (ES)		European Patent Convention - (EP)	European Patent Convention - (EP)	ESTOLII - (EE)	Echagor - (EC)	Dollillican Republic - (DO)	7	Denmark - (DK)		Germany - (DE)	Czechia - (CZ)		Cyprus - (CY)	Costa Rica - (CR)		Colombia - (CO)		China - (CN)	China - (CN)	Chile - (CL)	Switzerland - (CH)	Canada - (CA)	Brazii - (BR)	Bulgaria - (BG)
15721089.9	15721089.9	15721089.9	15/21089.9		15721089.9	18155146.6	15/21089.9	15721000 S	P2016-0284		15721089.9		15721089.9	15721089.9		15721089.9	2016-0516		NC2016/0003862		201580031858.7	202010767219.X	02683-2016	15721089.9	2946402	BR1120160245156	15721089.9
4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015		2/5/2018	4/23/2015	4/23/2015	4/23/2015	4/23/2015		4/23/2015		4/23/2015	4/23/2015	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4/23/2015	4/23/2015		4/23/2015		8/3/2020	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015
3134430	3134430	3134430	3134430		3134430		3134430				3134430		602015009124.8	3134430		3134430			34041		201580031858.7			3134430		BR1120160245156	3134430
3/21/2018	3/21/2018	3/21/2018	3/21/2018	3/21/2018			3/21/2018			3/21/2018		3/21/2018		3/21/2018	3/21/2018	2/2/2020		8/13/2018		9/1/2020				3/21/2018		3/31/2020	3/21/2018
Granted - (G)	Granted - (G)	Granted - (G)	(G)	(G)	Granted -	Filed - (F)	(G)	Filed - (F)	riled - (r)	(G)	Granted -	(G)	Granted -	Granted - (G)	(6)	Granted -	Filed - (F)	(G)	Granted -	(G)	Granted -	Filed - (F)	Filed - (F)	Granted - (G)	Filed - (F)	Granted - (G)	Granted - (G)

	ABV12189LVO1	ABVICIOSCOCI	ABV/1218011101	ABV12189LTO1		ABV12189LIO1	ABV12189KRO1		ABV12189JPO1	ABV12189JPD1		ABV12189ITO1	ABV12189ISO1	ABV12189INO1	ABV12189ILO1		ABV12189IEO1	ABV12189IDO1		ABV12189HUO1	ABV12189HRO1	ABV12189HKO2	АВV12189НКО1	ABV12189GTO1		ABV12189GRO1	ABV12189GCO1
	Latvia - (LV)	רמאפווושטעו 8 - (רט)	The second secon	Lithuania - (LT)		Liechtenstein - (LI)	Korea, Republic of - (KR)		Japan - (JP)	Japan - (JP)		Italy - (IT)	iceland - (IS)	India - (IN)	Israel - (IL)		lreland - (IE)	Indonesia - (ID)		Hungary - (HU)	Croatia - (HR)	Hong Kong - (HK)	Hong Kong - (HK)	Guatemala - (GT)		Greece - (GR)	Gulf Cooperation Council - (GC)
	15721089.9	13/21089.9	15731080 0	15721089.9		15721089.9	10-2016-7032819		2016-564068	2019-082671		502018000015517	15721089.9	201617038061	248244		15721089.9	P00201607579		15721089.9	P20180950T	19119950.4	17108814.8	A-2016-000224		20180401586	2015/29284
4/23/2015		4/23/2015		4/23/2015	4/23/2015		4/23/2015	4/23/2015		4/24/2019	4/23/2015		4/23/2015	4/23/2015	4/23/2015	4/23/2015		4/23/2015	4/23/2015		4/23/2015	2/25/2019	9/1/2017	4/23/2015	4/23/2015		4/23/2015
	3134430	0104400	2124420	3134430		3134430	10-2079919		6523331	6714751		3134430	3134430		248244		3134430	IDP000059187		3134430	P20180950		1235072			3096074	GC0009979
3/21/2018		3/21/2018	-//	3/21/2018	3/21/2018		2/17/2020	5/10/2019		6/9/2020	3/21/2018		3/21/2018		7/1/2020	3/21/2018		5/27/2019	3/21/2018		3/21/2018		8/24/2018		3/21/2018		7/1/2019
(G)	Granted -	(G)	Craptod	Granted - (G)	(G)	Granted -	Granted - (G)	(G)	Granted -	Granted - (G)	(G)	Granted -	Granted - (G)	Filed - (F)	Granted - (G)	(G)	Granted -	Granted - (G)	(G)	Granted -	Granted - (G)	Filed - (F)	Granted - (G)	Filed - (F)	(G)	Granted -	Granted - (G)

ABV12189RSO1	ABV12189ROO1	ABV12189PTO1		ABV12189PLO1	ABV12189PKO1		ABV12189PHO1	ABV12189PHD1		ABV12189PEO1	ABVIZI89PAOI	ABV12189N2O1	ABV12189NIZO1	ABV12189NZD2	ABV12189NZD1		ABV12189NOO1		ABV12189NLO1	ABV12189MYO1		ABV12189MXO1		A DV/1 21 OON /TO1		181/12180MKO1	ABVIZIASIVIEUI	ABV 221 BOV 15 O 1	ABV12189MCO1	ABV12189MAO1
Serbia - (RS)	Romania - (RO)	Portugal - (PT)		Poland - (PL)	Pakistan - (PK)		Philippines - (PH)	Philippines - (PH)		Peru - (PE)	ranama - (rA)	New zealdiid - (Nz)	No.: Zoolood (NZ)	New Zealand - (NZ)	New Zealand - (NZ)		Norway - (NO)		Netherlands - (NL)	Malaysia - (MY)	,	Mexico - (MX)	Iniaira - (Inii)	NACITY (NAT)	INCI EL INIGECCACINA (INIK)	North Macadonia - (MK)	Montenegro - (ME)	24-11-11-11-11-11-11-11-11-11-11-11-11-11	Monaco - (MC)	Morocco - (MA)
P-2018/0450	15721089.9	15721089.9		15721089.9	232/2015		1-2016-502079	1-2020-500377		002016-2016	91386-01	723470	735476	761612	761611		15721089.9		15721089.9	PI2016703814		MX/a/2016/013858	10,51000.0	157310800	- 2010/273	D-2018/2/5	P-115/2018	7 117 (2010	15721089.9	39770
4/23/2015	4/23/2015	4/23/2015	4/23/2015		4/23/2015	4/23/2015		2/26/2020	4/23/2015		4/23/2015	4/23/2015	1/22/2015	2/11/2020	2/11/2020	4/23/2015		4/23/2015		4/23/2015	4/23/2015		4/23/2015	7/20/2020	4/23/2015	, ,	4/23/2015	7 = 07 = 0	4/23/2015	4/23/2015
57153	3134430	3134430		3134430	143261		1-2016-502079			10452	9138b-01						3134430		3134430			371851	1	212//20	00000	008667	3134430	2,	3134430	39770
3/21/2018	3/21/2018	3/21/2018	3/21/2018		6/15/2020	6/2/2020			12/23/2020		3/14/2019					3/21/2018		3/21/2018			11/15/2019		3/21/2018	2/21/2010	3/21/2018	-//	3/21/2018	0// 0	3/21/2018	3/21/2018
Granted - (G)	Granted - (G)	Granted - (G)	(G)	Granted -	Granted - (G)	(G)	Granted -	Filed - (F)	(G)	Granted -	(G)	Filed - (F)	riled (r)	Filed - (F)	Filed - (F)	(G)	Granted -	(G)	Granted -	Filed - (F)	(G)	Granted -	(G)	Crantad	(G)	Granted -	(G)	Circle	Granted - (G)	Granted - (G)

Filed - (F)			7/14/2016	00130-2018	Chile - (CL)	ABV12221CLO1
Filed - (F)			7/14/2016	2991273	Canada - (CA)	ABV12221CAO1
Filed - (F)			7/14/2016	BR1120180006491	Brazil - (BR)	ABV12221BRO1
(G)	7/30/2020		7/14/2016			
Granted -		2016293444		2016293444	Australia - (AU)	ABV12221AUO1
Filed - (F)			7/15/2016	20160102165	Argentina - (AR)	ABV12221ARO1
(G)	8/14/2018		5/25/2016			
Granted -		10047051		15/164317	United States of America - (US)	ABV12212USO1
Filed - (F)			5/25/2016	16736610.3	European Patent Convention - (EP)	ABV12212EPO1
(G)	12/20/2017		4/23/2015			
Granted -		2016/06978		2016/06978	South Africa - (ZA)	ABV12189ZAO1
Filed - (F)			4/23/2015	1-2016-04436	Vietnam - (VN)	ABV12189VNO1
(G)	3/6/2018		4/23/2015			
Granted -		9908927		14/694358	United States of America - (US)	ABV12189USO1
Filed - (F)			8/14/2020	16/993569	United States of America - (US)	ABV12189USC2
(G)	12/26/2018		4/23/2015			
Granted -		118286		a201611802	Ukraine - (UA)	ABV12189UAO1
(G)	2/1/2020	100000	4/23/2015	10711000	raiwan (1 roymec or china) (1 w)	000
Granted -		1683875		104113087	Taiwan (Province of China) - (TW)	ARV12189TWO1
Filed - (F)			3/2/2020	109106778	Taiwan (Province of China) - (TW)	ABV12189TWD1
Granted - (G)	3/21/2018	TR201806912T4	4/23/2015	15721089.9	Turkey - (TR)	ABV12189TRO1
Filed - (F)			4/23/2015	1601006350	Thailand - (TH)	ABV12189THO1
(G)	3/21/2018	3134430	4/23/2015	SIMI-1-SOTOOOSOO	Sall Mailio - (SM)	ABVIZIOSSIVIOI
(G)	3/21/2018		4/23/2015	54 H 20100000		
Granted -		3134430		15721089.9	Slovakia - (SK)	ABV12189SKO1
(G)	3/21/2018	, H	4/23/2015	201330223	Sievellia (Si)	70.00
Granted -	0/+1/10+0	313//30	1/10/1010	201530223	Slovenia - (SI)	ARV12189SIO1
Granted - (G)	8/14/2018	11201608/6/X	4/23/2015	11201608/6/X	Singapore - (SG)	ABV121895GO1
Filed - (F)			7/30/2018	10201806465T	Singapore - (SG)	ABV12189SGD1
(G)	3/21/2018		4/23/2015			
Granted -		3134430		15721089.9	Sweden - (SE)	ABV12189SEO1
Granted - (G)	9/4/2019	2699285	4/23/2015	2016145608	Russian Federation - (RU)	ABV12189RUO1

(G)	8/5/2020	(((((((((((((((((((10/7/2016			
Granted -		3359541		16788232.3	Denmark - (DK)	ABV12239DKO1
(G)	8/5/2020		10/7/2016			
Granted -		602016041461.9		16788232.3	Germany - (DE)	ABV12239DEO1
Granted - (G)	8/5/2020	3359541	10/7/2016	16788232.3	Czechia - (CZ)	ABV12239CZO1
(G)	8/5/2020		10/7/2016			
Granted -		3359541		16788232.3	Cyprus - (CY)	ABV12239CYO1
(G)	1/5/2021		10/7/2016			
Granted -		201680069459.4		201680069459.4	China - (CN)	ABV12239CNO1
(G)	8/5/2020		10/7/2016			
Granted -		3359541		16788232.3	Switzerland - (CH)	ABV12239CHO1
Filed - (F)			10/7/2016	3001096	Canada - (CA)	ABV12239CAO1
Filed - (F)			10/7/2016	BR1120180071617	Brazil - (BR)	ABV12239BRO1
(G)	8/5/2020		10/7/2016			
Granted -		3359541		16788232.3	Belgium - (BE)	ABV12239BEO1
Filed - (F)			10/7/2016	2016333856	Australia - (AU)	ABV12239AUO1
(G)	8/5/2020		10/7/2016			
Granted -		E1298572		16788232.3	Austria - (AT)	ABV12239ATO1
(G)	9/25/2019		7/14/2016	,		
Granted -		2018/00541		2018/00541	South Africa - (ZA)	ABV12221ZAO1
Filed - (F)			7/14/2016	1-2018-00607	Vietnam - (VN)	ABV12221VNO1
Filed - (F)			7/15/2016	36796	Uruguay - (UY)	ABV12221UYO1
(G)	12/12/2017		7/8/2016			
Granted -		9840513		15/205512	United States of America - (US)	ABV12221USO1
(G)	1/6/2021		7/14/2016			
Granted -		122794		a201801497	Ukraine - (UA)	ABV12221UAO1
(G)	12/11/2020		7/15/2016			
Granted -		1712597		105122493	Taiwan (Province of China) - (TW)	ABV12221TWO1
Filed - (F)			7/14/2016	1801000278	Thailand - (TH)	ABV12221THO1
Filed - (F)			7/14/2016	11201800373S	Singapore - (SG)	ABV12221SGO1
(G)	3/15/2021		7/14/2016			
Granted -		2744766		2018105684	Russian Federation - (RU)	ABV12221RUO1
Filed - (F)			7/14/2016	429/2016	Pakistan - (PK)	ABV12221PKO1
Filed - (F)			7/14/2016	1-2018-500088	Philippines - (PH)	ABV12221PHO1

3/23/2021	379276	10/7/2016	MX/a/2018/004359	Mexico - (MX)	ABV12239MXO1
)541	3359541	10/7/2016	16788232.3	Monaco - (MC)	ABV12239MCO1
3359541	335	10/7/2016	16788232.3	Latvia - (LV)	ABV12239LVO1
3359541	33	10/7/2016	16788232.3	Luxembourg - (LU)	ABV12239LUO1
3359541	<u> </u>	10/7/2016	16788232.3	Lithuania - (LT)	ABV12239LTO1
3359541	ļ _w	10/7/2016	16788232.3	Liechtenstein - (LI)	ABV12239LIO1
6779992	6	10/7/2016	2018-517444	Japan - (JP)	ABV12239JPO1
3359541	 . .	10/7/2016	502020000104914	Italy - (IT)	ABV12239ITO1
3359541	-	10/7/2016	16788232.3	Iceland - (IS)	ABV12239ISO1
3359541	1	10/7/2016	16788232.3	Ireland - (IE)	ABV12239IEO1
E051067		10/7/2016	E16788232	Hungary - (HU)	ABV12239HUO1
P20201618	I	10/7/2016	P20201618	Croatia - (HR)	ABV12239HRO1
3105398		10/7/2016	20200403042	Greece - (GR)	ABV12239GRO1
3359541		10/7/2016	16788232.3	United Kingdom of Great Britain and Northern Ireland - (GB)	ABV12239GBO1
3359541	-	10/7/2016	16788232.3	France - (FR)	ABV12239FRO1
3359541	-	10/7/2016	16788232.3	Finland - (FI)	ABV12239FIO1
3359541		10/7/2016	16788232.3	Spain - (ES)	ABV12239ESO1
3359541		10/7/2016	16788232.3	European Patent Convention - (EP)	ABV12239EPO1

Filed - (F)			5/24/2017	201780033214.0	China - (CN)	ABV12301CNO1
Filed - (F)			5/24/2017	03323-2018	Chile - (CL)	ABV12301CLO1
(G)	4/22/2020	3404202	5/24/2017	1//202/2.0	SWILZELIATIO - (CIT)	ABVIZSOICHOI
Filed - (F)		3464383	5/24/2017	3022216	Canada - (CA)	ABV12301CAO1
Filed - (F)			5/24/2017	BR1120180748153	Brazil - (BR)	ABV12301BRO1
Granted - (G)	4/22/2020	3464282	5/24/2017	17728272.0	Bulgaria - (BG)	ABV12301BGO1
Granted - (G)	4/22/2020	3464282	5/24/2017	17728272.0	Belgium - (BE)	ABV12301BEO1
Filed - (F)			5/24/2017	2017273215	Australia - (AU)	ABV12301AUO1
(G)	4/22/2020		5/24/2017	11120212:0		0000
Filed - (F)		E1250030	6/2/2017	20170101516	Argentina - (AR)	ABV12301ARO1
Granted - (G)	4/22/2020	9505	5/24/2017	AL/P/2020/0441	Albania - (AL)	ABV12301ALO1
Granted - (G)	2/13/2018	9890158	10/7/2016	15/287911	United States of America - (US)	ABV12239USO1
(G)	5/12/2020		6/18/2019			
Granted -		10647717		16/444495	United States of America - (US)	ABV12239USC3
Granted - (G)	4/16/2019	10259810	12/15/2017	15/843917	United States of America - (US)	ABV12239USC1
Granted - (G)	8/5/2020	TR20201729714	10/7/2016	16788232.3	Turkey - (TR)	ABV122391RO1
(G)	8/5/2020	3359541	10/7/2016	201630965	Slovenia - (SI)	ABV12239SIO1
Granted - (G)	8/5/2020	3359541	10/7/2016	16788232.3	Sweden - (SE)	ABV12239SEO1
Granted - (G)	8/5/2020	3359541	10/7/2016	16788232.3	Portugal - (PT)	ABV12239PTO1
Granted - (G)	8/5/2020	3359541	10/7/2016	16788232.3	Poland - (PL)	ABV12239PLO1
Granted - (G)	8/5/2020	3359541	10/7/2016	16788232.3	Norway - (NO)	ABV12239NOO1
Granted - (G)	8/5/2020	3359541	10/7/2016	16788232.3	Netherlands - (NL)	ABV12239NLO1

Filed - (F)	',','		5/24/2017	P00201811081	Indonesia - (ID)	ABV12301IDO1
Granted - (G)	4/22/2020	E050248	5/24/2017	17728272.0	Hungary - (HU)	ABV12301HUO1
Granted - (G)	4/22/2020	P20201068	5/24/2017	P20201068	Croatia - (HR)	ABV12301HRO1
Granted - (G)	3/5/2021	40006841	9/25/2019	19130172.0	Hong Kong - (HK)	ABV12301HKO1
Filed - (F)			5/24/2017	A-2018-000211	Guatemala - (GT)	ABV12301GTO1
(G)	4/22/2020		5/24/2017			
Granted -		3104342	-1-1-	20200402018	Greece - (GR)	ABV12301GRO1
Filed - (F)			6/1/2017	2017/33490	Gulf Cooperation Council - (GC)	ABV12301GCO1
(G)	4/22/2020		5/24/2017		Northern Ireland - (GB)	
Granted -		3464282		17728272.0	United Kingdom of Great Britain and	ABV12301GBO1
Granted - (G)	4/22/2020	3464282	5/24/2017	17728272.0	France - (FR)	ABV12301FRO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Finland - (FI)	ABV12301FIO1
Granted - (G)	4/22/2020	3464282	5/24/2017	17728272.0	Spain - (ES)	ABV12301ESO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	European Patent Convention - (EP)	ABV12301EPO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Estonia - (EE)	ABV12301EEO1
Filed - (F)			5/24/2017	SENADI-2018-94790	Ecuador - (EC)	ABV12301ECO1
Filed - (F)			5/24/2017	P2018-0257	Dominican Republic - (DO)	ABV12301DOO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Denmark - (DK)	ABV12301DKO1
Granted - (G)	4/22/2020	602017015260.9	5/24/2017	17728272.0	Germany - (DE)	ABV12301DEO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Czechia - (CZ)	ABV12301CZO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Cyprus - (CY)	ABV12301CYO1
Filed - (F)			5/24/2017	2018-0547	Costa Rica - (CR)	ABV12301CRO1
Granted - (G)	8/10/2020	37569	5/24/2017	NC2018/0012171	Colombia - (CO)	ABV12301COO1
	•	_				

Filed - (F)			5/30/2017	309/2017	Pakistan - (PK)	ABV12301PKO1
(G)	6/25/2020		5/24/2017			
Granted -		1-2018-502534		1-2018-502534	Philippines - (PH)	ABV12301PHO1
Filed - (F)			5/24/2017	003091-2018	Peru - (PE)	ABV12301PEO1
Filed - (F)			5/24/2017	92450-01	Panama - (PA)	ABV12301PAO1
Filed - (F)			5/24/2017	747222	New Zealand - (NZ)	ABV12301NZO1
(G)	4/22/2020	3464282	5/24/2017	1//282/2.0	NOTWdy - (NO)	ABVIZSOINOOI
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Netherlands - (NL)	ABV12301NLO1
Filed - (F)			5/24/2017	PI2018703798	Malaysia - (MY)	ABV12301MYO1
Filed - (F)			5/24/2017	MX/a/2018/014758	Mexico - (MX)	ABV12301MXO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Malta - (MT)	ABV12301MTO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		P-2020/498	North Macedonia - (MK)	ABV12301MKO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Monaco - (MC)	ABV12301MCO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Latvia - (LV)	ABV12301LVO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Luxembourg - (LU)	ABV12301LUO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		17728272.0	Lithuania - (LT)	ABV12301LTO1
(G)	4/22/2020		5/24/2017		1.00	
Granted -		3464787		17728272 0	liechtenstein - (II)	ARV123011101
Filed - (F)			5/24/2017	10-2018-7031861	Korea, Republic of - (KR)	ABV12301KRO1
Filed - (F)			5/24/2017	2018-552704	Japan - (JP)	ABV12301JPO1
(G)	4/22/2020		5/24/2017			
Granted -		3464282		502020000069358	Italy - (IT)	ABV12301ITO1
(G)	4/22/2020		5/24/2017		•	
Granted -		3464282		17728272.0	Iceland - (IS)	ABV12301ISO1
Filed - (F)			5/24/2017	201817048664	India - (IN)	ABV12301INO1
Filed - (F)			5/24/2017	262415	Israel - (IL)	ABV12301ILO1
Granted - (G)	4/22/2020	3464282	5/24/2017	17728272.0	Ireland - (IE)	ABV12301IEO1
_	_	•	•	•		-

ABV12356USO1	ABV12315USO1		70017701		ABV12301UY01		ABV12301USO1	ABV12301USC1	ABV12301UAO1	ABV12301TWO1	ABV12301TRO1	ABV12301THO1			ABV12301SKO1	ABV12301SIO1		ABV12301SGO1	ABV12301SEO1	ABV12301RUO1	ABV12301RSO1		ABV12301ROO1	ABV12301PTO1	1000
United States of America - (US)	United States of America - (US)	European Patent Convention - (EP)	Soun Anica - (2A)	Vietnam - (VN)	Uruguay - (UY)		United States of America - (US)	United States of America - (US)	Ukraine - (UA)	Taiwan (Province of China) - (TW)	Turkey - (TR)	Thailand - (TH)	San Marino - (SM)		Slovakia - (SK)	Slovenia - (SI)		Singapore - (SG)	Sweden - (SE)	Russian Federation - (RU)	Serbia - (RS)		Romania - (RO)	Portugal - (PT)	י טומות (י ר)
15/902802	15//23896	17794414.7	22+00/0107	1-2018-05431	37272		15/602892	16/165662	a201812705	106118418	2020/11315	1801006986	SM-1-202000394		17728272.0	201730320		11201808842V	17728272.0	2018138707	P-2020/0829		EP/01892/2020	17728272.0	1,,702,7.0
2/22/2018	10/3/2017	10/4/2017	5/24/2017	5/24/2017	6/2/2017	5/23/2017		10/19/2018	5/24/2017	6/3/2017	5/24/2017	5/24/2017	5/24/2017	5/24/2017		5/24/2017	5/24/2017		5/24/2017	5/24/2017	5/24/2017	5/24/2017		5/24/2017	5/24/2017
10428017	10399940		2010/00423	2010/00/22			10138227	10604515			TR202011315T4		3464282		3464282	3464282		11201808842V	3464282		60574		3464282	3464282	3404202
10/1/2019	9/3/2019		8/28/2019			11/27/2018		3/31/2020			4/22/2020		4/22/2020	4/22/2020		4/22/2020	2/23/2021		4/22/2020		4/22/2020	4/22/2020		4/22/2020	4/22/2020
Granted - (G)	Granted - (G)	Filed - (F)	(G)	Filed - (F)	Filed - (F)	(G)	Granted -	Granted - (G)	Filed - (F)	Filed - (F)	Granted - (G)	Filed - (F)	Granted - (G)	(G)	Granted -	Granted - (G)	(G)	Granted -	Granted - (G)	Filed - (F)	Granted - (G)	(G)	Granted -	Granted - (G)	(G)

	ABV12400EPD1 European Patent Convention - (EP)	ABV12400EEO1 Estonia - (EE)	ABV12400ECO1 Ecuador - (EC)	ABV12400DOO1 Dominican Republic - (DO)	ABV12400DKO1 Denmark - (DK)	ABV12400DEO1 Germany - (DE)		ABV12400CZO1 Czechia - (CZ)	ABV12400CYO1 Cyprus - (CY)	ABV12400CRO1 Costa Rica -	ABV12400COO1 Colombia - (CO)	ABV12400CNO1 China - (CN)	ABV12400CLO1 Chile	ABV12400CHO1 Switz	ABV12400CAO1 Cana	ABV12400BRO1 Braz		ABV12400BGO1 Buls	ABV12400BEO1 Belg			ARV/12/AOOALIO1 Aust	ABV12400ATO1 Aust		L
European Patent Convention - (EP)	European Patent Convention - (EP)	Estonia - (EE)	Ecuador - (EC)	Dominican Republic - (DO)	Denmark - (DK)	Germany - (DE)		Czechia - (CZ)	Cyprus - (CY)	Costa Rica	Colombi	China -	Chile	Switz	Cana	Bra	9.	BU	BelĮ	Į į	Bos 3	<u>></u>	Aust	Alba	Unit
										- (CR)	a - (CO)	- (CN)	Chile - (CL)	Switzerland - (CH)	Canada - (CA)	Brazil - (BR)		Bulgaria - (BG)	Belgium - (BE)		Bosnia and Herzegovina - (BA)	Australia - (AII)	Austria - (AT)	Albania - (AL)	United States of America - (US)
20183405.8	20183402.5	18779798.0	SENADI-2020-21913	P2020-0057	18779798.0	18779798.0		18779798.0	18779798.0	2020-0157	NC2020/0004249	201880073855.3	0664-2020	18779798.0	3074945	BR1120200051020		18779798.0	18779798.0		E03740	2018332512	18779798.0	AL/P/2021/0044	15/903928
7/1/2020 7/1/2020	1/1 (2020	9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018		9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018	9/13/2018	2/ 12/ 5010	9/13/2018	9/13/2018	3/13/2010	9/13/2018	0/13/2018	9/13/2018	2/23/2018
3736267	3736270	3681864			3681864	602018009206.4		3681864	3681864					3681864			6 6 6	3681864	3681864		3681864		E1328079	3681864	
5/5/2021 5/5/2021	7 /7 /2021	10/28/2020			10/28/2020	10/28/2020	10/28/2020		10/28/2020					10/28/2020			10/28/2020	10/10/1010	10/28/2020	10/28/2020		TU/ 20/ 2020	10/20/2020	10/28/2020	
(G) Granted - (G)	Granted -	Granted - (G)	Filed - (F)	Filed - (F)	Granted - (G)	Granted - (G)	(G)	Granted -	Granted - (G)	Filed - (F)	Filed - (F)	Filed - (F)	Filed - (F)	Granted - (G)	Filed - (F)	Filed - (F)	(G)	Granted -	Granted - (G)	(G)	Granted -	Filed - (F)	Granted -	Granted - (G)	Filed - (F)

(G)	10/28/2020		9/13/2018			
Granted -		3681864		18779798.0	Lithuania - (LT)	ABV12400LTO1
(G)	10/28/2020		9/13/2018			
Granted -		3681864		18779798.0	Liechtenstein - (LI)	ABV12400LIO1
Filed - (F)			9/13/2018	10-2020-7010867	Korea, Republic of - (KR)	ABV12400KRO1
Filed - (F)			9/13/2018	2020-537292	Japan - (JP)	ABV12400JPO1
(G)	10/28/2020		9/13/2018			
Granted -		3681864		502021000019616	Italy - (IT)	ABV12400ITO1
(G)	10/28/2020		9/13/2018			
Granted -		3681864		18779798.0	Iceland - (IS)	ABV12400ISO1
Filed - (F)			9/13/2018	202017016002	India - (IN)	ABV12400INO1
Filed - (F)			9/13/2018	273163	Israel - (IL)	ABV12400ILO1
(G)	10/28/2020		9/13/2018			
Granted -		3681864		18779798.0	Ireland - (IE)	ABV12400IEO1
Filed - (F)			9/13/2018	P00202002777	Indonesia - (ID)	ABV12400IDO1
(G)	10/28/2020		9/13/2018			
Granted -		E052873		18779798.0	Hungary - (HU)	ABV12400HUO1
Granted - (G)	10/28/2020	P20210099	9/13/2018	P20210099	Croatia - (HR)	ABV12400HRO1
Filed - (F)			12/18/2020	42020022349.3	Hong Kong - (HK)	ABV12400HKO3
Filed - (F)			12/9/2020	42020021751.1	Hong Kong - (HK)	ABV12400HKO2
Filed - (F)			11/10/2020	62020019755.1	Hong Kong - (HK)	ABV12400HKO1
Filed - (F)			9/13/2018	A-2020-000040	Guatemala - (GT)	ABV12400GTO1
Granted - (G)	10/28/2020	3106178	9/13/2018	20210400224	Greece - (GR)	ABV12400GRO1
(G)	10/28/2020		9/13/2018		Northern Ireland - (GB)	
Granted -		3681864		18779798.0	United Kingdom of Great Britain and	ABV12400GBO1
(G)	10/28/2020		9/13/2018			
Granted -		3681864		18779798.0	France - (FR)	ABV12400FRO1
Granted - (G)	10/28/2020	3681864	9/13/2018	18779798.0	Finland - (FI)	ABV12400FIO1
Granted - (G)	10/28/2020	3681864	9/13/2018	18779798.0	Spain - (ES)	ABV12400ESO1
Granted - (G)	10/28/2020	3681864	9/13/2018	18779798.0	European Patent Convention - (EP)	ABV12400EPO1
Filed - (F)			3/23/2021	21164249.1	European Patent Convention - (EP)	ABV12400EPD3

11/24/2020 11/10/2020 4/20/2021 4/27/2021		0/2/2020	TOH!		
		0000/0/3	20177749 7	European Patent Convention - (EP)	ABV12449EPO1
		9/13/2018	2020/02363	South Africa - (ZA)	ABV12400ZAO1
		9/13/2018	1-2020-02091	Vietnam - (VN)	ABV12400VNO1
		9/12/2018			
	10988454		16/129458	United States of America - (US)	ABV12400USO1
		4/15/2021	17/231482	United States of America - (US)	ABV12400USC5
		5/19/2020			
	10981890		16/878468	United States of America - (US)	ABV12400USC4
		5/19/2020			
	10829473		16/878430	United States of America - (US)	ABV12400USC3
		5/19/2020			
	10844042		16/878421	United States of America - (US)	ABV12400USC2
11/24/2020		5/19/2020			
	10844041		16/878416	United States of America - (US)	ABV12400USC1
		9/13/2018	a202002356	Ukraine - (UA)	ABV12400UAO1
10/28/2020		9/13/2018			
.165T4	TR202101165T4		18779798.0	Turkey - (TR)	ABV12400TRO1
10/28/2020		9/13/2018			
	3681864		2021/0015	Tunisia - (TN)	ABV12400TNO1
		9/13/2018	2001001464	Thailand - (TH)	ABV12400THO1
10/28/2020		9/13/2018			
	3681864		SM-T-202100140	San Marino - (SM)	ABV12400SMO1
10/28/2020		9/13/2018			
	3681864		18779798.0	Slovakia - (SK)	ABV12400SKO1
10/28/2020		9/13/2018			
	3681864		201830193	Slovenia - (SI)	ABV12400SIO1
		9/13/2018	11202002101R	Singapore - (SG)	ABV12400SGO1

PATENT
RECORDED: 03/15/2023 REEL: 063100 FRAME: 0049