

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	12/23/2020
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PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	16882579
Application Number:	15642086
Application Number:	16569264
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DATE SIGNED:	08/03/2021
Total Attachments: 2	
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ASSIGNMENT OF PATENTS

THIS ASSIGNMENT OF PATENTS (this "Patent Assignment"), effective as of December 23, 2020, is being made by Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. ("Assignor"), a German not for profit company, to Avadain LLC ("Assignee"), a Delaware limited liability company.

WHEREAS, Assignor owns all right, title and interest in and to the patents and patent applications that are listed in Schedule A attached hereto showing their respective jurisdictions, application numbers, publication numbers, the status of each application as of the date hereof, and the patent numbers where applicable;

WHEREAS, such patents and patent applications are herein collectively referred to as the "Patents";

WHEREAS, Assignee is desirous of obtaining all right, title and interest in and to the Patents;

WHEREAS, Assignor intends to assign the Patents to Assignee;

NOW, THEREFORE, in consideration of the foregoing premises and for good and valuable consideration received by Assignor in connection with this Patent Assignment, including a Patent Transfer Agreement entered into by Assignor and Assignee on the 23rd day of December 2020, Assignor hereby assigns the Patents to Assignee as follows:

1. Assignment. As of the effective date recited above, Assignor does hereby sell, assign, transfer and set over unto the Assignee, its successors, legal representatives and assigns, all right title and interest in, to and under the Patents of whatever nature throughout the world, free and clear of all third party rights for Assignee to have and to hold fully and entirely as the Patents would have been held and enjoyed by Assignor if the sale, assignment, and transfer had not been made, including any and all letters patent which are or may be granted therefor in any nation and jurisdiction of the world.

2. No Further Obligation. Upon the execution of this Patent Assignment by both Assignor and Assignee, Assignee shall bear all the costs and responsibilities associated with the maintenance of the prosecution and registration associated with the Patents, and Assignor shall have thereafter no further responsibility.

3. Binding Effect. The terms of this Patent Assignment shall be binding upon, inure to the benefit of, and be enforceable by, Assignor and Assignee, their respective successors and assigns.

4. Execution in Counterparts. This Patent Assignment may be executed in any number of counterparts, each of which shall be deemed to be an original as against Assignor or Assignee, and all of which shall together constitute one and the same instrument. This Patent Assignment shall become binding when one or more counterparts hereof, individually or taken together, shall bear the signatures of the respective authorized representatives of Assignor and Assignee.

IN WITNESS WHEREOF, the UNDERSIGNED set their hands and executed this Patent Assignment by authorized representatives of Assignor as of the date set forth above.

ASSIGNOR:

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

By: [Signature]
Title: Prof. Dr. A. Kurz Member of the Board Prof. Dr. R.B. Wehrspohn Member of the Board

ASSIGNEE:

Avadain, LLC a limited liability company registered under the laws of the State of Delaware, U.S.A.

By: [Signature]
Title: Bradley R Larschan, CEO

**SCHEDULE A
TO
ASSIGNMENT OF PATENTS
(the "Patents")**

Name of the country	Date of application	Application No.	Status of the application	Publication Number	Date of Publication	Grant No.	Date of grant
Australia	30/ Oktober 2016	AU 2016392473	pending	N/A	N/A	N/A	N/A
Brazil	30/ Oktober 2016	BR 112018016389-9	in examination	N/A	12/28/2018	N/A	N/A
Brazil (divisional)	26/ Mai 2020	BR122020010527-5	pending	N/A	N/A	N/A	N/A
Canada	30/ Oktober 2016	3,013,381	pending	N/A	N/A	N/A	N/A
Chile	30/ Oktober 2016	201802147	in examination	N/A	N/A	N/A	N/A
China	30/ Oktober 2016	2016800816572	in examination	CN 108699708 A	October 23, 2018	N/A	N/A
Colombia	30/ Oktober 2016	NC2018/0009412	in examination	NC2018/0009412	September 20, 2018	N/A	N/A
Germany	12/ Februar 2016	10 2016 202 202.4	granted	10 2016 202 202.4	8/17/2018	10 2016 202 202.4	12/14/2017
Europe	30/ Oktober 2016	16775246.8	in examination	3414361	12/19/2018	N/A	N/A
Indonesia	30/ Oktober 2016	P00201806483	in examination	2018/12215	November 16, 2018	N/A	N/A
Indonesia (divisional)	27/ Oktober 2020	P00202008019	pending	N/A	N/A	N/A	N/A
Israel	30/ Oktober 2016	261061	in examination	261061	10/31/2018	N/A	N/A
India	30/ Oktober 2016	201847029899	in examination	201847029899 A	8/17/2018	N/A	N/A
Japan	30/ Oktober 2016	2018-542267	in examination	P2019-512441A	5/16/2019	N/A	N/A
Korea	30/ Oktober 2016	10-2018-7025958	in examination	N/A	N/A	N/A	N/A
Mexico	30/ Oktober 2016	MX/a//2018/009766	published	MX/a/2018/009766	12/18/2018	N/A	N/A
Malaysia	30/ Oktober 2016	PI 2018702752	in examination	N/A	N/A	N/A	N/A
Russia	30/ Oktober 2016	2018131253	granted	2018131253	N/A	2722528	6/1/2020
Russia (Divisional)	22/ Mai 2020	2020116823	in examination	2020116823	28.07.2020	N/A	N/A
Singapore	30/ Oktober 2016	11201806748S	in examination	N/A	N/A	N/A	N/A
Vietnam	30/ Oktober 2016	1-2018-03823	published	1-2018-03823	25.07.2019	N/A	N/A
PCT	30/ September 2016	PCT/EP2016/073451	N/A	WO 2017/137103	8/17/2017	N/A	N/A
USA	5/ Juli 2017	15/642,086	granted	15/642,086	19.10.2017	10,662,537	26.05.2020
USA continuation	25/ Mai 2020	16/882,579	published	US 2020-0283915-A1	10.09.2020	N/A	N/A
USA	12/ September 2019	16/569,264	N/A	N/A	N/A	N/A	N/A
PCT	8/ September 2020	PCT/EP2020/075017	filed	N/A	N/A	N/A	N/A