

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM838351

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
SENSEONICS, INCORPORATED		09/08/2023	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	HERCULES CAPITAL, INC.		
Street Address:	400 Hamilton Avenue, Suite 310		
City:	Palo Alto		
State/Country:	CALIFORNIA		
Postal Code:	94301		
Entity Type:	Corporation: MARYLAND		
PROPERTY NUMBERS Total: 12			
Property Type	Number	Word Mark	
Registration Number:	4946452	SENSEONICS	
Registration Number:	4937006	SENSEONICS	
Registration Number:	4946475	SENSEONICS	
Registration Number:	4937020	SENSEONICS	
Registration Number:	5423802	EVERSENSE	
Registration Number:	5050956	EVERSENSE	
Registration Number:	5051167	EVERSENSE	
Registration Number:	5423830	EVERSENSE	
Registration Number:	5590731	EVERSENSE	
Registration Number:	5633324	EVERSENSE NOW	
Registration Number:	5633325	EVERSENSE NOW	
Registration Number:	5590760	EVERSENSE	
CORRESPONDENCE DATA			
Fax Number:			
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	8004945225		
Email:	ipteam@cogencyglobal.com		
Correspondent Name:	Stewart Walsh		

OP \$315.00 4946452

Address Line 1: 1025 Connecticut Ave NW, Suite 712
Address Line 2: COGENCY GLOBAL Inc.
Address Line 4: Washington, D.C. 20036

ATTORNEY DOCKET NUMBER:	2117014 TM
NAME OF SUBMITTER:	Monet Zaccarelli
SIGNATURE:	/Monet Zaccarelli/
DATE SIGNED:	09/11/2023

Total Attachments: 26

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (this “Agreement”), dated as of September 8, 2023, is made by SENSEONICS, INCORPORATED, a Delaware corporation (the “Grantor”), in favor of HERCULES CAPITAL, INC., a Maryland corporation, in its capacity as administrative agent and collateral agent (in such capacities, together with its successors and assigns in such capacities, the “Administrative Agent”) for the ratable benefit of the Lenders party from time to time to the Loan Agreement (as defined below).

WHEREAS, the Grantor, as borrower, the lenders from time to time party thereto, as lenders, and the Administrative Agent are parties to that Loan and Security Agreement, dated as of September 8, 2023 (as amended, restated, amended and restated, modified, renewed, extended, or replaced from time to time, the “Loan Agreement”).

WHEREAS, under the terms of the Loan Agreement, the Grantor has granted to the Administrative Agent a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute and deliver this Agreement for recording with the United States Patent and Trademark Office (“USPTO”).

Accordingly, the parties hereto agree as follows:

SECTION 1 Definitions; Interpretation.

(a) Terms Defined in the Loan Agreement. All capitalized terms used in this Agreement (including in the recitals hereof) and not otherwise defined herein shall have the respective meanings assigned to such terms in the Loan Agreement.

(b) Certain Defined Terms. As used in this Agreement, the following terms shall have the following meanings:

“Intellectual Property Collateral” has the meaning set forth in Section 2.

(a) Terms Defined in UCC. Where applicable and except as otherwise defined herein, terms used in this Agreement shall have the respective meanings assigned to such terms in the UCC; provided, however, that to the extent that the UCC is used to define any term herein and such term is defined differently in different Articles of the UCC, the definition of such term contained in Article 9 shall govern.

(b) Interpretation. The rules of interpretation set forth in the Loan Agreement shall be applicable to this Agreement and are incorporated herein by this reference.

SECTION 2 Security Interest.

(a) Grant of Security Interest. As security for the prompt and complete payment when due (whether on the payment dates or otherwise) of all the Secured Obligations, the Grantor hereby grants to the Administrative Agent a security interest in all of the Grantor’s right, title and interest in, to and under the following property, in each case whether now or hereafter existing or arising or in which the Grantor now has or hereafter owns, acquires or develops an interest and wherever located (collectively, the “Intellectual Property Collateral”):

(i) (A) all registered and applied-for trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos, Internet

domain names and other source or business identifiers (including such federal United States registered and applied-for trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos, Internet domain names and other source or business identifiers) in each case that are set forth in Schedule A hereto; (B) all renewals and extensions thereof; and (C) the goodwill of the Grantor's business symbolized by the foregoing or connected therewith; and

(ii) (A) all patent applications or issued patents in each case that are set forth in Schedule B hereto; and (B) all divisionals, continuations, continuations-in-part, reissues, reexaminations, or extensions of the foregoing;

provided that notwithstanding anything to the contrary contained in the foregoing clauses (i) and (ii), the security interest created hereby shall not extend to, and the term "Intellectual Property Collateral" shall not include, any "intent to use" trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, provided, that upon submission and acceptance by the United States Patent and Trademark Office of an amendment to allege use of an intent to use trademark application pursuant to 15. U.S.C. Section 1060(a) (or any successor provision) such intent to use application shall constitute Intellectual Property Collateral.

SECTION 3 Supplement to Loan Documents. The terms and provisions of this Agreement are intended as a supplement to the terms and provisions of the Loan Documents and in the event of any inconsistency between the terms and provisions of this Agreement and the Loan Documents, the terms and provisions of the Loan Documents shall control. The Grantor acknowledges that the rights and remedies of the Administrative Agent with respect to the security interest in the Intellectual Property Collateral granted hereby are more fully set forth in the Loan Documents (other than this Agreement) and all such rights and remedies are cumulative.

SECTION 4 Further Assurances. To the extent required under the Loan Documents, upon the request of the Administrative Agent, the Grantor shall promptly take such further action (other than making filings with the USPTO, which are addressed in the second sentence of this Section 4) and execute all such additional documents and instruments in connection with this Agreement as the Administrative Agent in its reasonable discretion may deem necessary or advisable to enable the Administrative Agent to exercise and enforce its rights and remedies hereunder with respect to the Intellectual Property Collateral, including any documents for filing with the USPTO. The Grantor shall, at its own expense, file and record in the proper filing and recording places this Agreement with the USPTO.

SECTION 5 Administrative Agent's Duties. Notwithstanding any provision contained in this Agreement, the Administrative Agent shall have no duty to exercise any of the rights, privileges or powers afforded to it and shall not be responsible to the Grantor or any other Person for any failure to do so or delay in doing so except as expressly set forth in the Loan Documents. Except for and the accounting for moneys actually received by the Administrative Agent hereunder (and except as expressly set forth in the Loan Documents), the Administrative Agent shall have no duty or liability to exercise or preserve any rights, privileges or powers pertaining to the Intellectual Property Collateral.

SECTION 6 Termination. This Agreement and the security interest granted herein shall terminate in accordance with the terms of the Loan Agreement.

SECTION 7 No Waiver. Any forbearance or failure or delay by the Administrative Agent in exercising any right, power or remedy hereunder shall not be deemed a waiver thereof and any single or partial exercise of any right, power or remedy shall not preclude the further exercise thereof. No waiver shall be effective unless it is in writing and signed by an officer of the Administrative Agent.

SECTION 8 Recordation. The Grantor hereby authorizes and requests that the Commissioner for Trademarks or the Commissioner for Patents, as applicable, record this Agreement with the USPTO.

SECTION 9 Binding Effect. The provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns except that the Grantor may not assign or otherwise transfer any of its rights or obligations hereunder without the prior written consent of the Administrative Agent.

SECTION 10 Governing Law. This Agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of California, excluding conflict of laws principles that would cause the application of laws of any other jurisdiction.

SECTION 11 Severability. Whenever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Agreement shall be prohibited by or invalid under such law, such provision shall be ineffective only to the extent and duration of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Agreement.

SECTION 12 Counterparts. This Agreement may be executed by one or more of the parties to this Agreement on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument. Delivery of an executed signature page of this Agreement by facsimile or other electronic mail transmission shall be effective as delivery of a manually executed counterpart hereof.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

GRANTOR:

SENSEONICS, INCORPORATED

By: Rick Sullivan

Name: Rick Sullivan

Title: Chief Financial Officer

ADMINISTRATIVE AGENT:

HERCULES CAPITAL, INC.

By: _____

Name:

Title:

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

GRANTOR:

SENSEONICS, INCORPORATED

By: _____

Name:

Title:

ADMINISTRATIVE AGENT:

HERCULES CAPITAL, INC.

DocuSigned by:

Seth Meyer

By: _____
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Name: Seth Meyer

Title: Chief Financial Officer

SCHEDULE A

Registered U. S. Trademarks of the Grantor

Mark	Owner	Country	Serial No.	Serial Date	Reg. No.	Reg. Date	Status
<i>Word Mark</i> SENSEONICS	Senseonics, Incorporated	U.S.	85687894	7/26/2012	4946452	4/26/2016	Live
<i>Word Mark</i> SENSEONICS	Senseonics, Incorporated	U.S.	85687899	7/26/2012	4937006	4/12/2016	Live
<i>Word Mark</i> Senseonics	Senseonics, Incorporated	U.S.	85720972	9/5/2012	4946475	4/26/2016	Live
<i>Word Mark</i> Senseonics	Senseonics, Incorporated	U.S.	85720980	9/5/2012	4937020	4/12/2016	Live
<i>Word Mark</i> EVERSENSE	Senseonics, Incorporated	U.S.	86695079	7/16/2015	5423802	3/13/2018	Live
<i>Word Mark</i> EVERSENSE	Senseonics, Incorporated	U.S.	86695085	7/16/2015	5050956	9/27/2016	Live
<i>Word Mark</i> eversense	Senseonics, Incorporated	U.S.	86755442	9/14/2015	5051167	9/27/2016	Live

Mark	Owner	Country	Serial No.	Serial Date	Reg. No.	Reg. Date	Status
<i>Word Mark</i> eversense	Senseonics, Incorporated	U.S.	86755445	9/14/2015	5423830	3/13/2018	Live
<i>Word Mark</i> EVERSENSE	Senseonics, Incorporated	U.S.	87025094	5/4/2016	5590731	10/23/2018	Live
<i>Word Mark</i> EVERSENSE NOW	Senseonics, Incorporated	U.S.	87025099	5/4/2016	5633324	12/18/2018	Live
<i>Word Mark</i> EVERSENSE NOW	Senseonics, Incorporated	U.S.	87025103	5/4/2016	5633325	12/18/2018	Live
<i>Word Mark</i> eversense	Senseonics, Incorporated	U.S.	87077093	6/20/2016	5590760	10/23/2018	Live

Pending U.S. Trademark Applications of the Grantor

None.

SCHEDULE B

Issued U.S. Patents of the Grantor

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Implanted Sensor Processing System And Method For Processing Implanted Sensor Output	Senseonics, Incorporated	U.S.	09605706	06/29/2000	6400974	06/04/2002	Live
Electro-Optical Sensing Device With Reference Channel	Senseonics, Incorporated	U.S.	10137329	05/03/2002	7135342	11/14/2006	Live
Printed Circuit Board With Integrated Antenna And Implantable Sensor Processing System With Integrated Printed Circuit Board Antenna	Senseonics, Incorporated	U.S.	10824587	04/15/2004	7800078	09/21/2010	Live
Non-Covalent Immobilization Of Indicator Molecules	Senseonics, Incorporated	U.S.	10822670	04/13/2004	7713745	05/11/2010	Live
Systems And Methods For Extending The Useful Life Of Optical Sensors	Senseonics, Incorporated	U.S.	10831346	04/26/2004	7375347	05/20/2008	Live
System and method for attenuating the effect of ambient light on an optical sensor	Senseonics, Incorporated	U.S.	10823781	04/14/2004	7157723	01/02/2007	Live
Wristband or other type of band having an adjustable antenna for use with a sensor reader	Senseonics, Incorporated	U.S.	10923698	08/24/2004	8073548	12/06/2011	Live
System and method for attenuating the effect of ambient light on an optical sensor	Senseonics, Incorporated	U.S.	11646266	12/28/2006	7405387	07/29/2008	Live
Light emitting diode for harsh environments	Senseonics, Incorporated	U.S.	12043289	03/06/2008	7939832	05/10/2011	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Oxidation resistant indicator molecules	Senseonics, Incorporated	U.S.	11948419	11/30/2007	7851225	12/14/2010	Live
Optical-based sensing devices	Senseonics, Incorporated	U.S.	11953166	12/10/2007	7822450	10/26/2010	Live
Systems And Methods For Extending The Useful Life Of Optical Sensors	Senseonics, Incorporated	U.S.	12123087	05/19/2008	8502167	08/16/2013	Live
System And Method For Attenuating The Effect Of Ambient Light On An Optical Sensor	Senseonics, Incorporated	U.S.	12180745	07/28/2008	7755022	07/13/2010	Live
Optical Sensor Assembly	Senseonics, Incorporated	U.S.	12563396	09/21/2009	8223325	07/17/2012	Live
Oxidation Resistant Indicator Molecules	Senseonics, Incorporated	U.S.	12966693	12/13/2010	8143068	03/27/2012	Live
Light emitting diode for harsh environments	Senseonics, Incorporated	U.S.	13103561	05/09/2011	8415184	04/09/2013	Live
Light emitting diode for harsh environments	Senseonics, Incorporated	U.S.	13/858532	04/08/2013	8648356	02/11/2014	Live
Insertion device and method	Senseonics, Incorporated	U.S.	13/705816	12/05/2012	9241660	01/26/2016	Live
Purification of glucose concentration signal in an implantable fluorescence based glucose sensor	Senseonics, Incorporated	U.S.	13/853095	03/29/2013	9345426	05/24/2016	Live
Angle of incidence selective band pass filter for implantable chemical sensor	Senseonics, Incorporated	U.S.	13/869279	04/24/2013	9377351	06/28/2016	Live
Purification of glucose concentration signal in an implantable fluorescence based glucose sensor	Senseonics, Incorporated	U.S.	13/937871	07/09/2013	9414775	08/16/2016	Live
Analyte permeable membrane systems for oxidative and optical stability	Senseonics, Incorporated	U.S.	14/142000	12/27/2013	9427181	08/30/2016	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Analyte permeable membrane systems for oxidative and optical stability	Senseonics, Incorporated	U.S.	14/142017	12/27/2013	9427182	08/30/2016	Live
Opacity consistent polymer graft for optical sensor	Senseonics, Incorporated	U.S.	14/279759	05/16/2014	9498156	11/22/2016	Live
Remotely powered, multistie sensing system with a shared, two-wire bus for power and communication	Senseonics, Incorporated	U.S.	14/594674	01/12/2015	9626315	04/18/2017	Live
Integrated catalytic protection of oxidation sensitive materials	Senseonics, Incorporated	U.S.	13/421013	03/15/2012	9681824	06/20/2017	Live
Digital ASIC sensor platform	Senseonics, Incorporated	U.S.	13/761839	02/07/2013	9693714	07/04/2017	Live
Biocompatible, human implantable apparatus and method for fully encasing a circuit within a polymer housing	Senseonics, Incorporated	U.S.	13/171711	06/29/2011	9717413	08/01/2017	Live
Optical isolation element for implantable sensor	Senseonics, Incorporated	U.S.	14/676957	04/02/2015	9743869	08/29/2017	Live
Fabrication of a fluorescent material for sensing an analyte	Senseonics, Incorporated	U.S.	14/807033	07/23/2015	9778190	10/03/2017	Live
Continuous analyte monitoring system	Senseonics, Incorporated	U.S.	14/580289	12/23/2014	9814389	11/14/2017	Live
Co-planar, near field communication telemetry link for an analyte sensor	Senseonics, Incorporated	U.S.	14/453230	08/06/2014	9867540	01/16/2018	Live
Use of a sensor with multiple external sensor transceiver devices	Senseonics, Incorporated	U.S.	14/510587	10/09/2014	9901250	02/27/2018	Live
Analyte sensor	Senseonics, Incorporated	U.S.	14/629943	02/24/2015	9901293	02/27/2018	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Drug elution for in vivo protection of bio-sensing analytes	Senseonics, Incorporated	U.S.	14/464791	08/21/2014	9931068	04/03/2018	Live
Critical point drying of hydrogels in analyte sensors	Senseonics, Incorporated	U.S.	14/489728	09/18/2014	9963556	05/08/2018	Live
Remotely powered sensor with antenna location independent of sensing site	Senseonics, Incorporated	U.S.	14/309087	06/19/2014	10016133	07/10/2018	Live
Electrodynamic field strength triggering system	Senseonics, Incorporated	U.S.	15/430198	02/10/2017	10034619	07/31/2018	Live
Analyte permeable membrane systems for oxidative and optical stability	Senseonics, Incorporated	U.S.	15/250087	08/29/2016	10064573	09/04/2018	Live
Fluorescence-based sensor with multiple indicator grafts	Senseonics, Incorporated	U.S.	14/541987	11/14/2014	10080514	09/25/2018	Live
Remotely powered, multisite sensing system with a shared, two-wire bus for power and communication	Senseonics, Incorporated	U.S.	15/482141	04/07/2017	10102178	10/16/2018	Live
Analyte sensor transceiver configured to provide tactile, visual, and/or aural feedback	Senseonics, Incorporated	U.S.	14/453078	08/06/2014	10111588	10/30/2018	Live
Fabrication of a fluorescent material for sensing an analyte	Senseonics, Incorporated	U.S.	15/606260	05/26/2017	10119911	11/06/2018	Live
Implantation and antenna orientation of an implantable sensor	Senseonics, Incorporated	U.S.	14/212302	03/14/2014	10206624	02/19/2019	Live
Remotely powered, multisite sensing system with a shared, two-wire bus for power and	Senseonics, Incorporated	U.S.	16/105596	08/20/2018	10318472	06/11/2019	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
communication							
Analyte concentration alert function for analyte sensor system	Senseonics, Incorporated	U.S.	14/559238	12/03/2014	10327714	06/25/2019	Live
Fabrication of a fluorescent material for sensing an analyte	Senseonics, Incorporated	U.S.	15/870118	01/12/2018	10352858	07/16/2019	Live
Critical point drying of hydrogels in analyte sensors	Senseonics, Incorporated	U.S.	15/947576	04/06/2018	10435517	10/08/2019	Live
Remotely powered sensor with antenna location independent of sensing site	Senseonics, Incorporated	U.S.	16/030303	07/09/2018	10524660	01/07/2020	Live
Integrated optical filter system with low sensitivity to high angle of incidence light for an analyte sensor	Senseonics, Incorporated	U.S.	14/799979	07/15/2015	10537269	01/21/2020	Live
Fabrication of a fluorescent material for sensing an analyte	Senseonics, Incorporated	U.S.	16/180547	11/05/2018	10551316	02/04/2020	Live
Use of a sensor with multiple external sensor transceiver devices	Senseonics, Incorporated	U.S.	15/905343	02/26/2018	10575731	03/03/2020	Live
Analyte concentration alert function for analyte sensor system	Senseonics, Incorporated	U.S.	15/485410	04/12/2017	10575793	03/03/2020	Live
Communication between devices using a wireless communication protocol	Senseonics, Incorporated	U.S.	15/625359	06/16/2017	10624104	04/14/2020	Live
Integrated catalytic protection of oxidation sensitive materials	Senseonics, Incorporated	U.S.	15/623474	06/15/2017	10674937	06/09/2020	Live
Real time modeling of analyte transport in a medium surrounding an	Senseonics, Incorporated	U.S.	15/715535	09/26/2017	10674945	06/09/2020	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
implanted sensor to calculate a corresponding concentration of analyte in a distant medium							
Methods and systems for correcting blood analyte measurements	Senseonics, Incorporated	U.S.	15/939683	03/29/2018	10709361	07/14/2020	Live
Remotely powered, multisite sensing system with a shared, two-wire bus for power and communication	Senseonics, Incorporated	U.S.	16/431220	06/04/2019	10713208	07/14/2020	Live
Real-time denoising and prediction for a continuous glucose monitoring system	Senseonics, Incorporated	U.S.	15/583558	05/01/2017	10765373	09/08/2020	Live
Wireless analyte monitoring	Senseonics, Incorporated	U.S.	15/167559	05/27/2016	10772503	09/15/2020	Live
Detecting and correcting for changes to an analyte indicator	Senseonics, Incorporated	U.S.	15/957604	04/19/2018	10827962	11/10/2020	Live
Subcutaneous tunneling tool with depth guard	Senseonics, Incorporated	U.S.	16/230272	12/21/2018	10828054	11/10/2020	Live
Real time assessment of sensor performance and prediction of the end of the functional life of an implanted sensor	Senseonics, Incorporated	U.S.	15/786954	10/18/2017	10869624	12/22/2020	Live
Remotely-powered sensing system with multiple sensing devices	Senseonics, Incorporated	U.S.	15/709679	09/20/2017	10872048	12/22/2020	Live
System and method for measuring an amount of blood and/or clotting in a pocket surrounding an implantable medical device	Senseonics, Incorporated	U.S.	16/009912	06/15/2018	10874339	12/29/2020	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Electrodynamic field strength triggering system	Senseonics, Incorporated	U.S.	16/573438	09/17/2019	10905355	02/02/2021	Live
Fluorescence-based sensor with multiple indicator grafts	Senseonics, Incorporated	U.S.	16/132615	09/17/2018	10912498	02/09/2021	Live
Integrated optical filter system with low sensitivity to high angle of incidence light for an analyte sensor	Senseonics, Incorporated	U.S.	16/698041	11/27/2019	10932703	03/02/2021	Live
Remote analyte monitoring	Senseonics, Incorporated	U.S.	15/896600	02/14/2018	10945644	03/16/2021	Live
Communication between devices using a wireless communication protocol	Senseonics, Incorporated	U.S.	16/847112	04/13/2020	10966219	03/30/2021	Live
Dynamic amplifier change	Senseonics, Incorporated	U.S.	16/158605	10/12/2018	11020019	06/01/2021	Live
Analyte sensor	Senseonics, Incorporated	U.S.	15/904940	02/26/2018	11058330	07/13/2021	Live
Continuous analyte monitoring system	Senseonics, Incorporated	U.S.	15/810822	11/13/2017	11071455	07/27/2021	Live
Analyte sensor transceiver configured to provide tactile, visual, and/or aural feedback	Senseonics, Incorporated	U.S.	16/189173	11/13/2018	11109755	09/07/2021	Live
Chemical modification of analyte permeable membrane for enhanced oxidative stability	Senseonics, Incorporated	U.S.	16/009963	06/15/2018	11109779	09/07/2021	Live
Analyte sensor transceiver configured to provide tactile, visual, and/or aural feedback	Senseonics, Incorporated	U.S.	16/173502	10/29/2018	11116399	09/14/2021	Live
Analyte sensor transceiver configured to provide tactile, visual, and/or aural feedback	Senseonics, Incorporated	U.S.	16/173508	10/29/2018	11116400	09/14/2021	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Continuous analyte monitoring system	Senseonics, Incorporated	U.S.	16/116556	08/29/2018	11116402	09/14/2021	Live
Methods and systems for weighting calibration points and updating lag parameters	Senseonics, Incorporated	U.S.	16/142744	09/26/2018	11185264	11/30/2021	Live
Data management system communications with a display device in an analyte monitoring system	Senseonics, Incorporated	U.S.	16/271010	02/08/2019	11246513	02/15/2022	Live
Methods and systems for weighting calibration points and updating lag parameters	Senseonics, Incorporated	U.S.	16/142711	09/26/2018	11259726	03/01/2022	Live
Systems, apparatus, and methods for discriminating optical signals	Senseonics, Incorporated	U.S.	16/103464	08/14/2018	11317834	05/03/2022	Live
Analyte monitoring systems and methods that make use of information about a condition of the environment surrounding an analyte sensor	Senseonics, Incorporated	U.S.	16/675757	11/06/2019	11375927	07/05/2022	Live
Methods and systems for calculating analyte levels	Senseonics, Incorporated	U.S.	16/100699	08/10/2018	11406298	08/09/2022	Live
Insertion tool with a dissector	Senseonics, Incorporated	U.S.	16/844043	04/09/2020	11432845	09/06/2022	Live
System and method for continuous and on-demand analyte monitoring	Senseonics, Incorporated	U.S.	16/709140	12/10/2019	11452467	09/27/2022	Live
Analyte monitoring system and method for determining system usage	Senseonics, Incorporated	U.S.	16/188736	11/13/2018	11490862	11/08/2022	Live

Title	Owner	Country	Application No.	Filing Date	Patent No.	Issue Date	Status
Interoperability validation in an analyte monitoring system	Senseonics, Incorporated	U.S.	16/875577	05/15/2020	11666254	06/06/2023	Live
Methods and systems for weighting calibration points and updating lag parameters	Senseonics, Incorporated	U.S.	16/142664	09/26/2018	11672450	06/13/2023	Live
Drug eluting matrix on analyte indicator	Senseonics, Incorporated	U.S.	16/671279	11/01/2019	11672860	06/13/2023	Live
Assessment of performance of an implanted sensor	Senseonics, Incorporated	U.S.	16/709225	12/10/2019	11701038	07/18/2023	Live
Methods and systems for providing calibration point acceptance criteria for calibrating an analyte sensor	Senseonics, Incorporated	U.S.	16/009922	06/15/2018	11723565	08/15/2023	Live
Transceiver	Senseonics, Incorporated	U.S.	29/579877	10/04/2016	D814463	04/03/2018	Live
Transceiver	Senseonics, Incorporated	U.S.	35/503754	04/04/2017	D852190	06/25/2019	Live
Transceiver	Senseonics, Incorporated	U.S.	29/642822	04/02/2018	D853382	07/09/2019	Live
Display screen or portion thereof with graphical user interface	Senseonics, Incorporated	U.S.	29/624525	11/01/2017	D870770	12/24/2019	Live
Display screen or portion thereof with graphical user interface	Senseonics, Incorporated	U.S.	29/624524	11/01/2017	D871441	12/31/2019	Live
Detecting and correcting for changes to an analyte indicator	Senseonics, Incorporated	U.S.	17/992830	11/09/2020	11517230	12/06/2022	Live

Pending U.S. Patent Applications of the Grantor

Title	Owner	Country	Application No.	Filing Date	Status
INTEGRATED CATALYTIC PROTECTION OF OXIDATION SENSITIVE MATERIALS	Senseonics, Incorporated	U.S.	14/023837	09/11/2013	Pending
MINI FLAT ANTENNA SYSTEM	Senseonics, Incorporated	U.S.	14/212221	03/14/2014	Pending
SUBCUTANEOUS TUNNELING AND IMPLANTATION TOOLS FOR A DISK-SHAPED SENSOR	Senseonics, Incorporated	U.S.	14/151452	01/09/2014	Pending
SUBCUTANEOUS SENSOR IMPLANT INSERTION TOOL WITH BIORESORBABLE TIP	Senseonics, Incorporated	U.S.	14/657205	03/13/2015	Pending
WIRELESS ANALYTE MONITORING	Senseonics, Incorporated	U.S.	15/167318	05/27/2016	Pending
WIRELESS ANALYTE MONITORING	Senseonics, Incorporated	U.S.	15/167569	05/27/2016	Pending
DIGITAL ASIC SENSOR PLATFORM	Senseonics, Incorporated	U.S.	15/403845	01/11/2017	Pending
IMPLANTED SENSOR PROCESSING SYSTEM AND METHOD FOR PROCESSING IMPLANTED SENSOR OUTPUT	Senseonics, Incorporated	U.S.	15/456980	03/13/2017	Pending
INTEGRATED CATALYTIC	Senseonics, Incorporated	U.S.	15/424540	02/03/2017	Pending

Title	Owner	Country	Application No.	Filing Date	Status
PROTECTION OF OXIDATION SENSITIVE MATERIALS					
IMPLANTED SENSOR PROCESSING SYSTEM AND METHOD FOR PROCESSING IMPLANTED SENSOR OUTPUT	Senseonics, Incorporated	U.S.	15/836085	12/08/2017	Pending
HOUSING FOR A CIRCUIT THAT IS TO BE IMPLANTED INVIVO AND PROCESSED OF MAKING THE SAME	Senseonics, Incorporated	U.S.	15/657769	07/24/2017	Pending
IMPLANTATION AND ANTENNA ORIENTATION OF AN IMPLANTABLE SENSOR	Senseonics, Incorporated	U.S.	15/891120	02/07/2018	Pending
DRUG ELUTION FOR IN VIVO PROTECTION OF BIOSENSING ANALYTES	Senseonics, Incorporated	U.S.	15/942867	04/02/2018	Pending
CO-PLANAR, NEAR FIELD COMMUNICATION TELEMETRY LINK FOR AN ANALYTE SENSOR	Senseonics, Incorporated	U.S.	15/871438	01/15/2018	Pending
ELECTRODYNAMIC FIELD STRENGTH TRIGGERING SYSTEM	Senseonics, Incorporated	U.S.	16/049334	07/30/2018	Pending

Title	Owner	Country	Application No.	Filing Date	Status
METHODS AND SYSTEMS FOR WEIGHTING CALIBRATION POINTS AND UPDATING LAG PARAMETERS	Senseonics, Incorporated	U.S.	16/142773	09/26/2018	Pending
USER INTERFACE FOR TIMESENSITIVE EVENT ENTRY IN ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	16/230448	12/21/2018	Pending
REMOTE ANALYTE MONITORING AND INSULIN DELIVERY SYSTEM	Senseonics, Incorporated	U.S.	16/177596	11/01/2018	Pending
REPORTING OF GLYCEMIC VARIABILITY FROM CONTINUOUS GLUCOSE MONITORING	Senseonics, Incorporated	U.S.	16/191913	11/15/2018	Pending
EXTENDING BATTERY LIFE	Senseonics, Incorporated	U.S.	16/199918	11/26/2018	Pending
ANALYTE INDICATOR INTEGRATED WITH A CATALYTICALLY ACTIVE MATERIAL	Senseonics, Incorporated	U.S.	16/202751	11/28/2018	Pending
FONT SETTINGS IN A MOBILE MEDICAL APPLICATION	Senseonics, Incorporated	U.S.	16/230435	12/21/2018	Pending
MEDIATED DRUG RELEASE FOR REDUCING IN VIVO	Senseonics, Incorporated	U.S.	16/545147	08/20/2019	Pending

Title	Owner	Country	Application No.	Filing Date	Status
ANALYTE INDICATOR DEGRADATION					
ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	16/567271	09/11/2019	Pending
USE OF A SENSOR WITH MULTIPLE EXTERNAL SENSOR TRANSCIEVER DEVICES	Senseonics, Incorporated	U.S.	16/699231	11/29/2019	Pending
ENVIRONMENTAL DETECTION AND/OR TEMPERATURE COMPENSATION IN AN ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	16/671291	11/01/2019	Pending
MULTIPLE MODES OF TRANSCIEVER OPERATION IN ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	16/709345	12/10/2019	Pending
REDUCTION OF IN VIVO ANALYTE SIGNAL DEGRADATION USING MULTIPLE METALS	Senseonics, Incorporated	U.S.	16/704220	12/05/2019	Pending
ANALYTE LEVEL RATE OF CHANGE ALERTS IN AN ANALYTE MONITORING	Senseonics, Incorporated	U.S.	16/704275	12/05/2019	Pending

Title	Owner	Country	Application No.	Filing Date	Status
SYSTEM					
ANALYTE CONCENTRATION ALERT FUNCTION FOR ANALYTE SENSOR SYSTEM	Senseonics, Incorporated	U.S.	16/791713	02/14/2020	Pending
MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION	Senseonics, Incorporated	U.S.	16/797511	02/21/2020	Pending
MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION	Senseonics, Incorporated	U.S.	16/869161	05/07/2020	Pending
MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION	Senseonics, Incorporated	U.S.	16/875424	05/15/2020	Pending
TAILORED DRUG DELIVERY VEHICLES FOR IN VIVO PROTECTION OF ANALYTE SENSING COMPOUNDS	Senseonics, Incorporated	U.S.	16/887704	05/29/2020	Pending
REMOVAL TOOL FOR A SUBCUTANEOUS IMPLANTABLE DEVICE	Senseonics, Incorporated	U.S.	16/926438	07/10/2020	Pending
USE OF ADDITIVES, COPOLYMERS, AND DOPANTS FOR OPTICAL	Senseonics, Incorporated	U.S.	17/061297	10/01/2020	Pending

Title	Owner	Country	Application No.	Filing Date	Status
STABILITY OF ANALYTE SENSING COMPONENTS	Senseonics, Incorporated	U.S.	17/097983	11/13/2020	Pending
INTERFERENT DETECTION IN AN ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	17/096656	11/12/2020	Pending
DIABETES MANAGEMENT SYSTEMS AND METHODS	Senseonics, Incorporated	U.S.	17/097566	11/13/2020	Pending
SKIN SENSITIVITY OR RASH DETECTOR	Senseonics, Incorporated	U.S.	17/097678	11/13/2020	Pending
IDENTIFICATION OF DEGRADATIVE SPECIES	Senseonics, Incorporated	U.S.	17/098002	11/13/2020	Pending
MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION	Senseonics, Incorporated	U.S.	16/717622	12/17/2019	Pending
RETROSPECTIVE SMOOTHING	Senseonics, Incorporated	U.S.	17/211251	03/24/2021	Pending
ENCLOSURE FOR A WIRELESS IMPLANTABLE DEVICE WITH EMBEDDED POWER SOURCE	Senseonics, Incorporated	U.S.	17/462875	08/31/2021	Pending
CONTINUOUS ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	13/650016	10/11/2012	Pending
ELECTRODYNAMIC FIELD	Senseonics, Incorporated	U.S.			Pending

Title	Owner	Country	Application No.	Filing Date	Status
STRENGTH TRIGGERING SYSTEM					
REMOTELY-POWERED SENSING SYSTEM WITH MULTIPLE SENSING DEVICES	Senseonics, Incorporated	U.S.	17/129168	12/21/2020	Pending
METHODS AND SYSTEMS FOR REDUCING DIFFERENCE BETWEEN CALCULATED AND MEASURED ANALYTE LEVELS	Senseonics, Incorporated	U.S.	17/105198	11/25/2020	Pending
INTEGRATED OPTICAL FILTER SYSTEM WITH LOW SENSITIVITY TO HIGH ANGLE OF INCIDENCE LIGHT FOR AN ANALYTE SENSOR	Senseonics, Incorporated	U.S.	17/188817	03/01/2021	Pending
INSERTION TOOL WITH A DISSECTOR	Senseonics, Incorporated	U.S.	17/230610	04/14/2021	Pending
ANALYTE SENSOR	Senseonics, Incorporated	U.S.	17/370095	07/08/2021	Pending
CONTINUOUS ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	17/382009	07/21/2021	Pending
ANALYTE SENSOR TRANSCIEVER CONFIGURED	Senseonics, Incorporated	U.S.	17/462640	08/31/2021	Pending

Title	Owner	Country	Application No.	Filing Date	Status
TO PROVIDE TACTILE, VISUAL, AND/OR AURAL FEEDBACK					
DATA MANAGEMENT SYSTEM COMMUNICATIONS WITH A DISPLAY DEVICE IN AN ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	17/667868	02/09/2022	Pending
DETECTING AND CORRECTING FOR INTERFERENCE IN AN ANALYTE MONITORING SYSTEM	Senseonics, Incorporated	U.S.	17/825137	05/26/2022	Pending
ANALYTE MONITORING SYSTEMS AND METHODS THAT MAKE USE OF INFORMATION ABOUT A CONDITION OF THE ENVIRONMENT SURROUNDING AN ANALYTE SENSOR	Senseonics, Incorporated	U.S.	17/845479	06/21/2022	Pending
DYNAMIC MODIFICATION OF CALIBRATION FREQUENCY	Senseonics, Incorporated	U.S.	17/734295	05/02/2022	Pending
SYSTEM AND METHOD FOR	Senseonics, Incorporated	U.S.	17/872789	07/25/2022	Pending

Title	Owner	Country	Application No.	Filing Date	Status
CONTINUOUS AND ONDEMAND ANALYTE MONITORING	Senseonics, Incorporated	U.S.	17/818171	08/08/2022	Pending
METHODS AND SYSTEMS FOR CALCULATING ANALYTE LEVELS	Senseonics, Incorporated	U.S.	17/931359	09/12/2022	Pending
METHODS AND SYSTEMS FOR REDUCING DIFFERENCE BETWEEN CALCULATED AND MEASURED ANALYTE LEVELS	Senseonics, Incorporated	U.S.	17/822496	08/26/2022	Pending
MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION	Senseonics, Incorporated	U.S.	18/052835	11/04/2022	Pending
ANALYTE MONITORING SYSTEM AND METHOD FOR DETERMINING SYSTEM USAGE	Senseonics, Incorporated	U.S.	18/061334	12/02/2022	Pending
DETECTING AND CORRECTING FOR CHANGES TO AN ANALYTE INDICATOR	Senseonics, Incorporated	U.S.	18/061334	12/02/2022	Pending