

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4410286

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
EARLENS CORPORATION	05/11/2017
RECEIVING PARTY DATA	
Name:	CRG SERVICING LLC, AS ADMINISTRATIVE AGENT
Street Address:	1000 MAIN STREET, SUITE 2500
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77002
PROPERTY NUMBERS Total: 63	
Property Type	Number
PCT Number:	US2005026422
Patent Number:	7421087
Patent Number:	7867160
Application Number:	15187407
Patent Number:	8696541
Patent Number:	7668325
Patent Number:	9154891
Application Number:	14843030
Patent Number:	7955249
Patent Number:	8295523
Patent Number:	8401212
Application Number:	14949495
Patent Number:	9226083
Patent Number:	6629922
Patent Number:	6554761
Patent Number:	8396239
Patent Number:	9049528
Patent Number:	8824715
Patent Number:	8715152
Patent Number:	9591409

Property Type	Number
Application Number:	15411880
Application Number:	15042595
Patent Number:	8858419
Application Number:	14491572
Application Number:	15425684
Patent Number:	8715154
Patent Number:	8986187
Patent Number:	9544700
Patent Number:	8715153
Patent Number:	9055379
Application Number:	12818434
Patent Number:	8401214
Patent Number:	9277335
Patent Number:	8787609
Application Number:	12820776
Patent Number:	8845705
Patent Number:	9392377
Application Number:	15180719
Patent Number:	8506473
Patent Number:	7289639
Application Number:	14661832
Patent Number:	9544675
Application Number:	15368487
PCT Number:	US2015040397
Application Number:	14813301
Application Number:	14554606
PCT Number:	US2016054714
Application Number:	62395667
Application Number:	15282570
PCT Number:	US2016067464
Application Number:	62433195
Application Number:	15383626
Application Number:	62385914
Application Number:	62375284
Application Number:	62466634
Application Number:	62414588
PCT Number:	US2016054757
Application Number:	15282809

Property Type	Number
Application Number:	62422535
PCT Number:	US2016067859
Application Number:	15385395
Application Number:	15384013
Application Number:	15384071

CORRESPONDENCE DATA

Fax Number: (415)693-2222

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: 4156932000

Email: crhem@cooley.com

Correspondent Name: COOLEY LLP

Address Line 1: 101 CALIFORNIA STREET, 5TH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER: 321831-128

NAME OF SUBMITTER: C. RHEM

SIGNATURE: /CR/

DATE SIGNED: 05/11/2017

Total Attachments: 23

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PATENT AND TRADEMARK SECURITY AGREEMENT

WHEREAS, EARLENS CORPORATION, a Delaware corporation ("**Grantor**"), is party to that certain Security Agreement, dated as of May 11, 2017 (as amended, restated, supplemented or otherwise modified from time to time, the "**Security Agreement**"; capitalized terms used herein without definition shall have the meanings set forth in the Security Agreement), among Grantor, the subsidiaries of Grantor from time to time party thereto and CRG SERVICING LLC, as administrative agent and collateral agent (in such capacities, together with its successors and assigns, "**Administrative Agent**"), pursuant to which Grantor has granted to each Lender, each other Secured Party and Administrative Agent, for the benefit of the Secured Parties, a lien on substantially all of its personal property, including without limitation the patents and patent applications listed on **Schedule A** hereto, and the trademarks and trademark applications listed on the **Schedule B** hereto; and

WHEREAS, it is a condition to the advance of the loans and other obligations secured by the Security Agreement, that Grantor execute and deliver, and cause to be filed in the U.S. Patent and Trademark Office, this Patent and Trademark Security Agreement;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

As collateral security for the payment in full when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations, Grantor hereby pledges and grants to the Administrative Agent for the benefit of the Secured Parties, to the extent provided in the Security Agreement (the terms and conditions of which are hereby incorporated herein), a security interest in all of Grantor's right, title and interest in, to and under all of the following, as collateral security for the prompt and complete payment and performance when due of all the Secured Obligations (as defined in the Security Agreement):

(i) all patents and patent applications, in each case whether now owned by Grantor or hereafter acquired and whether now existing or hereafter coming into existence, including without limitation those listed on **Schedule A** hereto, and all related patents and applications thereto, including all reissuances, continuations, continuations-in-part, revisions, extensions, re-examinations thereof, any patents and patent applications claiming priority to said patents and patent applications or from which said patents and patent applications claim priority, and pending applications associated therewith; and

(ii) all of the trademarks, whether now owned or at any time hereafter acquired, of Grantor that are registered with, or for which applications for registration have been filed with, the United States Patent and Trademark Office, including the trademarks listed on **Schedule B** hereto, and all registrations and pending applications associated therewith (excluding any application for registration of a trademark filed on an intent-to-use basis solely to the extent that the grant of a security interest in any such trademark application would materially adversely affect the validity or enforceability of the resulting trademark registration or result in cancellation of such trademark application).

Notwithstanding the foregoing, (i) no security interest is granted hereby in any trademark applications filed on an "intent-to-use" basis until the earlier of (A) the filing of a statement of use with respect thereto or (B) the issuance of a registration therefor and (ii) in the event of any conflict between this Patent and Trademark Security Agreement and the Security Agreement, the Security Agreement shall control.

This Patent and Trademark Security Agreement and the rights and obligations of the parties hereunder shall be governed by, and construed in accordance with, the law of the State of New York, without regard to principles of conflicts of laws that would result in the application of the laws of any other jurisdiction; *provided that* Section 5-1401 of the New York General Obligations Law shall apply.

[signatures to follow]

IN WITNESS WHEREOF, each party hereto has caused this Patent and Trademark Security Agreement to be duly executed and delivered as of the day and year first above written.

EARLENS CORPORATION, as Grantor

By William M. Jackson
Name: William Jackson
Title: President & CEO

CRG SERVICING LLC, as Administrative
Agent

By _____
Name:
Title:

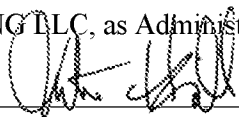
[Signature Page – Patent and Trademark Security Agreement]

IN WITNESS WHEREOF, each party hereto has caused this Patent and Trademark Security Agreement to be duly executed and delivered as of the day and year first above written.

EARLENS CORPORATION, as Grantor

By _____
Name:
Title:

CRG SERVICING LLC, as Administrative
Agent

By  _____
Name: Nathan Hukill
Title: Authorized Signatory

[Signature Page – Patent and Trademark Security Agreement]

Schedule A
to Patent and Trademark Security Agreement

PATENTS AND PATENT APPLICATIONS

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
IMPROVED TRANSMITTER FOR ELECTROMAGNETIC HEARING DEVICES	Japan	25-Jul-2005	2007-523711 4870669	Granted	EarLens Corporation
IMPROVED TRANSMITTER FOR ELECTROMAGNETIC HEARING DEVICES	PCT	25-Jul-2005	US2005/026422 WO2006014915	Published	EarLens Corporation
TRANSDUCER FOR ELECTROMAGNETIC HEARING DEVICES	US	28-Jul-2004	10/902,660 7,421,087	Granted	EarLens Corporation
CONTACT TRANSDUCER ASSEMBLY FOR HEARING DEVICES	US	12-Nov-1991	07/791,088 5,259,032	Expired	EarLens Corporation
AN ENERGY RECOVERING HEARING SYSTEM	US	13-Sep-1991	07/759,164 5,276,910	Expired	EarLens Corporation
INCONSPICUOUS COMMUNICATION METHOD UTILIZING REMOTE ELECTROMAGNETIC DRIVE	US	17-Aug-1994	08/292,066 5,425,104	Expired	EarLens Corporation
SYSTEMS AND METHODS FOR PHOTO-MECHANICAL HEARING TRANSDUCTION	PCT	12-Oct-2005	PCT/US2005/036756 WO2006042298	Expired	EarLens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
SYSTEMS AND METHODS FOR PHOTO-MECHANICAL HEARING TRANSDUCTION	US	11-Oct-2005	11/248,459 7,867,160	Granted	Earlens Corporation
SYSTEMS AND METHODS FOR PHOTO-MECHANICAL HEARING TRANSDUCTION	US	20-Feb-2014	14/185,446 US20140286514	Abandoned	Earlens Corporation
SYSTEMS AND METHODS FOR PHOTO-MECHANICAL HEARING TRANSDUCTION	US	20-Jun-2016	15/187,407 US20160309265	Pending	Earlens Corporation
SYSTEMS AND METHODS FOR PHOTO-MECHANICAL HEARING TRANSDUCTION	US	03-Dec-2010	12/959,934 8,696,541	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	China	21-Apr-2006	200680020181.8 200680020181.8	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Denmark	21-Apr-2006	06/58467.2 1880574	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Denmark	21-Apr-2006	14179881.9 2802160	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	European Patent Convention	21-Apr-2006	06/58467.2 1880574	Granted	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	European Patent Convention	21-Apr-2006	14179881.9 2802160	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	France	21-Apr-2006	06758467.2 1880574	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	France	21-Apr-2006	14179881.9 2802160	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Germany	21-Apr-2006	06758467.2 1880574	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Germany	21-Apr-2006	14179881.9 2802160	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Japan	21-Apr-2006	2008-510027 5341507	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	PCT	21-Apr-2006	PCT/U52006/015087 WO2006118819	Expired	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Switzerland	21-Apr-2006	06758467.2 1880574	Granted	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	Switzerland	21-Apr-2006	14179881.9 2802160	Granted	Earlens Corporation
HEARING SYSTEM HAVING AN OPEN CHAMBER FOR HOUSING COMPONENTS AND REDUCING THE OCCLUSION EFFECT	US	03-May-2005	11/121,517 7,668,325	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	US	07-Jan-2010	12/684,073 9,154,891	Granted	Earlens Corporation
HEARING SYSTEM HAVING IMPROVED HIGH FREQUENCY RESPONSE	US	02-Sep-2015	14/843,030 US20160066101	Pending	Earlens Corporation
IMPROVED OUTPUT TRANSDUCERS FOR HEARING SYSTEMS	PCT	31-Oct-2006	PCT/US2006/042579 WO2007053653	Expired	Earlens Corporation
OUTPUT TRANSDUCERS FOR HEARING SYSTEMS	US	31-Oct-2005	11/264,594 7,955,249	Granted	Earlens Corporation
OUTPUT TRANSDUCERS FOR HEARING SYSTEMS	US	28-Apr-2011	13/096,593	Expired	Earlens Corporation
ENERGY DELIVERY AND MICROPHONE PLACEMENT METHODS FOR IMPROVED COMFORT IN AN OPEN CANAL HEARING AID	PCT	03-Oct-2008	PCT/US2008/078793 WO2009046329	Expired	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
ENERGY DELIVERY AND MICROPHONE PLACEMENT METHODS FOR IMPROVED COMFORT IN AN OPEN CANAL HEARING AID	US	02-Oct-2008	12/244,266 8,295,523	Granted	Earlens Corporation
MULTIFUNCTION SYSTEM AND METHOD FOR INTEGRATED HEARING AND COMMUNICATION WITH NOISE CANCELLATION AND FEEDBACK MANAGEMENT	European Patent Convention	14-Oct-2008	08837672.8	Pending	Earlens Corporation
MULTIFUNCTION SYSTEM AND METHOD FOR INTEGRATED HEARING AND COMMUNICATION WITH NOISE CANCELLATION AND FEEDBACK MANAGEMENT	PCT	14-Oct-2008	PCT/US2008/079868 WO2009049320	Expired	Earlens Corporation
MULTIFUNCTION SYSTEM AND METHOD FOR INTEGRATED HEARING AND COMMUNICATION WITH NOISE CANCELLATION AND FEEDBACK MANAGEMENT	US	14-Oct-2008	12/251,200 8,401,212	Granted	Earlens Corporation
MULTIFUNCTION SYSTEM AND METHOD FOR INTEGRATED HEARING AND COMMUNICATION WITH NOISE CANCELLATION AND FEEDBACK MANAGEMENT	US	23-Nov-2015	14/949,495 US20160277854	Pending	Earlens Corporation
MULTIFUNCTION SYSTEM AND METHOD FOR INTEGRATED HEARING AND COMMUNICATION WITH NOISE CANCELLATION AND FEEDBACK MANAGEMENT	US	15-Feb-2013	13/768,825 9,226,083	Granted	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
FLEXENSIONAL OUTPUT ACTUATORS FOR SURGICALLY IMPLANTABLE HEARING AIDS	US	29-Oct-1999	09/430,213 6,629,922	Granted	
FLEXENSIONAL MICROPHONES FOR IMPLANTABLE HEARING DEVICES	US	29-Oct-1999	09/429,894 6,554,761	Granted	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	China	17-Jun-2009	200980132105.X ZL 200980132105.X	Granted	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	European Patent Convention	17-Jun-2009	09767670.4	Pending	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	Korea	17-Jun-2009	10-2011-7001207 10-1568451	Granted	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	PCT	17-Jun-2009	PCT/US2009/047685 WO2009155361	Expired	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	US	17-Jun-2009	12/486,100 8,396,239	Granted	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	US	24-Jul-2014	14/339,746 9,049,528	Granted	Earlens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH COMBINED POWER AND SIGNAL ARCHITECTURES	US	16-Nov-2012	13/678,889 8,824,715	Granted	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	China	17-Jun-2009	200980132104.5 ZL200980132104.5	Granted	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	European Patent Convention	17-Jun-2009	09767667.0	Pending	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	Korea	17-Jun-2009	10-2011-7001208 10-1568452	Granted	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	PCT	17-Jun-2009	PCT/U52009/047682 WO2009155358	Expired	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	US	17-Jun-2009	12/486,116 8,715,152	Granted	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	US	19-Mar-2014	14/219,076 US20140296620	Expired	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	US	05-Jan-2016	14/988,304 9,591,409	Granted	EarLens Corporation
OPTICAL ELECTRO-MECHANICAL HEARING DEVICES WITH SEPARATE POWER AND SIGNAL COMPONENTS	US	20-Jan-2017	15/411,880	Pending	EarLens Corporation
TRANSDUCER DEVICES AND METHODS FOR HEARING	US	21-Sep-2009	PCT/U52009/057716 WO2010033932	Expired	EarLens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
TRANSDUCER DEVICES AND METHODS FOR HEARING	US	22-Mar-2011	13/069,282 US20120039493	Expired	Earlens Corporation
TRANSDUCER DEVICES AND METHODS FOR HEARING	US	12-Feb-2016	15/042,595 US20160183017	Pending	Earlens Corporation
BALANCED ARMATURE DEVICES AND METHODS FOR HEARING	China	21-Sep-2009	200980146702.8 ZL 200980146702.8	Granted	Earlens Corporation
BALANCED ARMATURE DEVICES AND METHODS FOR HEARING	European Patent Convention	21-Sep-2009	09815345.5	Pending	Earlens Corporation
BALANCED ARMATURE DEVICES AND METHODS FOR HEARING	Korea	21-Sep-2009	10-2011-7009327	Expired	Earlens Corporation
BALANCED ARMATURE DEVICES AND METHODS FOR HEARING	Korea	21-Sep-2009	10-2016-7027771 10-1717034	Granted	Earlens Corporation
BALANCED ARMATURE DEVICES AND METHODS FOR HEARING	PCT	21-Sep-2009	PCT/US2009/057716 WO20100339329	Expired	Earlens Corporation
BALANCED ARMATURE DEVICES AND METHODS FOR HEARING	US	22-Mar-2011	13/069,262 8,858,419	Granted	Earlens Corporation
DEVICES AND METHODS FOR HEARING	US	19-Sep-2014	14/491,572 US20150010185	Pending	Earlens Corporation
DEVICES AND METHODS FOR HEARING	US	06-Feb-2017	15/425,684	Pending	Earlens Corporation

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OPTICALLY COUPLED COCHLEAR ACTUATOR SYSTEMS AND METHODS	PCT	24-Jun-2010	US2010/039792 WO201208187	Expired	Earlens Corporation
OPTICALLY COUPLED COCHLEAR ACTUATOR SYSTEMS AND METHODS	US	24-Jun-2010	12/822,801 8,715,154	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR ACTUATOR SYSTEMS AND METHODS	US	18-Mar-2014	14/218,461 8,986,187	Granted	Earlens Corporation
OPTICALLY COUPLED ACTIVE OSSICULAR REPLACEMENT PROSTHESIS	PCT	15-Jun-2010	PCT/US2010/038602 WO2010147935	Expired	Earlens Corporation
OPTICALLY COUPLED ACTIVE OSSICULAR REPLACEMENT PROSTHESIS	US	14-Jun-2010	12/814,998 9,544,700	Granted	Earlens Corporation
OPTICALLY COUPLED BONE CONDUCTION SYSTEMS AND METHODS	China	21-Jun-2010	201080037305.X ZL201080037305.X	Granted	Earlens Corporation
OPTICALLY COUPLED BONE CONDUCTION SYSTEMS AND METHODS	European Patent Convention	21-Jun-2010	10/797545.0	Pending	Earlens Corporation
OPTICALLY COUPLED BONE CONDUCTION SYSTEMS AND METHODS	PCT	21-Jun-2010	PCT/US2010/039347 WO2011005479	Expired	Earlens Corporation
OPTICALLY COUPLED BONE CONDUCTION SYSTEMS AND METHODS	US	22-Jun-2010	12/820,767 8,715,153	Granted	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
OPTICALLY COUPLED BONE CONDUCTION SYSTEMS AND METHODS	US	19-Mar-2014	14/219,180 US20140288358	Expired	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	Denmark	04-Jun-2010	10724957.5 2438768	Granted	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	European Patent Convention	04-Jun-2010	10724957.5 2438768	Granted	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	France	04-Jun-2010	10724957.5 2438768	Granted	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	Germany	04-Jun-2010	10724957.5 2438768	Granted	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	PCT	04-Jun-2010	PCT/US2010/037509 WO2010141895	Expired	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	Switzerland	04-Jun-2010	10724957.5 2438768	Granted	Earlens Corporation
OPTICALLY COUPLED ACOUSTIC MIDDLE EAR IMPLANT SYSTEMS AND METHODS	US	07-Jun-2010	12/794,969 9,055,379	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Australia	18-Jun-2010	2010263045	Expired	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Australia	18-Jun-2010	2016203413	Pending	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	China	18-Jun-2010	201080036737.9 ZL201080036737.9	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Denmark	18-Jun-2010	10731869.3 2443773	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	European Patent Convention	18-Jun-2010	10731869.3 2443773	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	France	18-Jun-2010	10731869.3 2443773	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Germany	18-Jun-2010	10731869.3 2443773	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Japan	18-Jun-2010	2012-516342	Pending	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Korea	18-Jun-2010	10-2012-7001483	Pending	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	PCT	18-Jun-2010	PCT/US2010/039209 WO2010148324	Expired	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	Switzerland	18-Jun-2010	10731869.3 2443773	Granted	Earlens Corporation
OPTICALLY COUPLED COCHLEAR IMPLANT SYSTEMS AND METHODS	US	18-Jun-2010	12/818,434 US20110144719	Pending	Earlens Corporation
EARDRUM IMPLANTABLE DEVICES FOR HEARING SYSTEMS AND METHODS	PCT	18-Jun-2010	PCT/US2010/039240 WO2010148345	Expired	Earlens Corporation
EARDRUM IMPLANTABLE DEVICES FOR HEARING SYSTEMS AND METHODS	US	18-Jun-2010	12/818,449 8,401,214	Granted	Earlens Corporation
EARDRUM IMPLANTABLE DEVICES FOR HEARING SYSTEMS AND METHODS	US	10-Jun-2014	14/300,441 9,277,335	Granted	Earlens Corporation
EARDRUM IMPLANTABLE DEVICES FOR HEARING SYSTEMS AND METHODS	US	19-Feb-2013	13/770,106 8,787,609	Granted	Earlens Corporation
ROUND WINDOW COUPLED HEARING SYSTEMS AND METHODS	European Patent Convention	22-Jun-2010	10/797560.9	Pending	Earlens Corporation
ROUND WINDOW COUPLED HEARING SYSTEMS AND METHODS	PCT	22-Jun-2010	PCT/US2010/039445 WO2011005500	Expired	Earlens Corporation
ROUND WINDOW COUPLED HEARING SYSTEMS AND METHODS	US	22-Jun-2010	12/820,776 US20110152602	Pending	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
OPTICAL COCHLEAR STIMULATION DEVICES AND METHODS	PCT	24-Jun-2010	PCT/US2010/039776 WO2010151636	Expired	Earlens Corporation
OPTICAL COCHLEAR STIMULATION DEVICES AND METHODS	US	24-Jun-2010	12/822,810 8,845,705	Granted	Earlens Corporation
TRANSDERMAL PHOTONIC ENERGY TRANSMISSION DEVICES AND METHODS	PCT	24-Jun-2010	PCT/US2010/039767 WO2010151629	Expired	Earlens Corporation
TRANSDERMAL PHOTONIC ENERGY TRANSMISSION DEVICES AND METHODS	US	24-Jun-2010	12/822,821 US20110125222	Expired	Earlens Corporation
ANATOMICALLY CUSTOMIZED EAR CANAL HEARING APPARATUS	European Patent Convention	20-Dec-2011	11851438.9	Pending	Earlens Corporation
ANATOMICALLY CUSTOMIZED EAR CANAL HEARING APPARATUS	PCT	20-Dec-2011	PCT/US2011/066306 WO2012088187	Expired	Earlens Corporation
ANATOMICALLY CUSTOMIZED EAR CANAL HEARING APPARATUS	US	17-Jun-2013	13/919,079 9,392,377	Granted	Earlens Corporation
ANATOMICALLY CUSTOMIZED EAR CANAL HEARING APPARATUS	US	13-Jun-2016	15/180,719 US20160302011	Pending	Earlens Corporation
HEARING AID TRANSDUCER HAVING AN ENGINEERED SURFACE	European Patent Convention	11-Dec-2009	09836787.3	Pending	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
HEARING AID TRANSDUCER HAVING AN ENGINEERED SURFACE	PCT	11-Dec-2009	PCT/US2009/067703 WO2010077781	Expired	Earlens Corporation
HEARING AID TRANSDUCER HAVING AN ENGINEERED SURFACE	US	08-Dec-2009	12/633,614 8,506,473	Granted	Earlens Corporation
HEARING AID	Australia	24-Jan-2003	2003-237771	Granted	Earlens Corporation
HEARING AID	Canada	24-Jan-2003	2,474,371 2,474,371	Granted	Earlens Corporation
HEARING AID	Denmark	24-Jan-2003	03731755,9 1470737	Granted	Earlens Corporation
HEARING AID	European Patent Convention	24-Jan-2003	03731755,9 1470737	Granted	Earlens Corporation
HEARING AID	France	24-Jan-2003	03731755,9 1470737	Granted	Earlens Corporation
HEARING AID	Germany	24-Jan-2003	03731755,9 1470737	Granted	Earlens Corporation





Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
HEARING AID	PCT	24-Jan-2003	GB2003/000264 WO2003063542	Expired	Earlens Corporation
HEARING AID	Switzerland	24-Jan-2003	03731755.9 1470737	Granted	Earlens Corporation
HEARING AID	United Kingdom	24-Jan-2002	0201574.1	Expired	Earlens Corporation
HEARING AID	United Kingdom	24-Jan-2003	03731755.9 1470737	Granted	Earlens Corporation
HEARING IMPLANT	US	02-Mar-2005	10/502,367 7,289,639	Granted	Earlens Corporation
HIGH FIDELITY AND REDUCED FEEDBACK CONTACT HEARING APPARATUS AND METHODS	US	18-Mar-2015	14/661,832 US20150271609	Pending	
CONTACT HEARING SYSTEM WITH WEARABLE COMMUNICATION APPARATUS	US	20-Feb-2015	14/627,336 9,544,675	Granted	Earlens Corporation
CONTACT HEARING SYSTEM WITH WEARABLE COMMUNICATION APPARATUS	US	02-Dec-2016	15/368,487 WO2016011044	Pending	Earlens Corporation
SLIDING BIAS AND PEAK LIMITING FOR OPTICAL HEARING DEVICES	European Patent Convention	14-Jul-2015	15821719.0	Pending	Earlens Corporation





Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
SLIDING BIAS AND PEAK LIMITING FOR OPTICAL HEARING DEVICES	PCT	14-Jul-2015	PCT/US2015/040397 WO2016011044	Pending	Earlens Corporation
SLIDING BIAS AND PEAK LIMITING FOR OPTICAL HEARING DEVICES	US	30-Jul-2015	14/813,301 US20160029132	Pending	Earlens Corporation
ADJUSTABLE VENTING FOR HEARING INSTRUMENTS	US	26-Nov-2014	14/554,606	Pending	Earlens Corporation
WEARABLE CUSTOMIZED EAR CANAL APPARATUS	PCT	30-Sep-2016	PCT/US2016/054714	Pending	Earlens Corporation
CUSTOMIZE EAR CANAL APPARATUS	US	16-Sep-2016	62/395,667	Pending	Earlens Corporation
WEARABLE CUSTOMIZED EAR CANAL APPARATUS	US	30-Sep-2016	15/282,570	Pending	Earlens Corporation
LIGHT BASED HEARING SYSTEMS, APPARATUS AND METHODS	PCT	19-Dec-2016	PCT/US2016/067464	Pending	Earlens Corporation
LIGHT BASED HEARING SYSTEMS, APPARATUS AND METHODS	US	12-Dec-2016	62/433,195	Pending	Earlens Corporation
LIGHT BASED HEARING SYSTEMS, APPARATUS AND METHODS	US	19-Dec-2016	15/383,626	Pending	Earlens Corporation
CONTACT HEARING SYSTEMS, APPARATUS AND METHODS	US	09-Sep-2016	62/385,914	Pending	Earlens Corporation
HEARING AID CONNECTOR	US	15-Aug-2016	62/375,284	Pending	Earlens Corporation
HEARING AID CONNECTOR	US	03-Mar-2017	62/466,634	Pending	Earlens Corporation

Title	Territory	Date of Filing	Application No. Patent (or Publication) No.	Status	Owner
INTERACTIVE HEARING AID ERROR DETECTION	US	28-Oct-2016	62/414,588	Pending	EarLens Corporation
DRUG DELIVERY CUSTOMIZED EAR CANAL APPARATUS	PCT	30-Sep-2016	PCT/US2016/054757	Pending	EarLens Corporation
DRUG DELIVERY CUSTOMIZED EAR CANAL APPARATUS	US	30-Sep-2016	15/282,809	Pending	EarLens Corporation
IMPRESSION PROCEDURE	US	15-Nov-2016	62/422,535	Pending	EarLens Corporation
DAMPING IN CONTACT HEARING SYSTEMS	PCT	20-Dec-2016	PCT/US2016/067859	Pending	EarLens Corporation
DAMPING CONTACT HEARING SYSTEMS	US	20-Dec-2016	15/385,395	Pending	EarLens Corporation
CHARGING PROTOCOL FOR RECHARGABLE HEARING SYSTEMS	US	19-Dec-2016	15/384,013	Pending	EarLens Corporation
BATTERY COATING FOR RECHARGABLE HEARING SYSTEMS	US	19-Dec-2016	15/384,071	Pending	EarLens Corporation

**Schedule B
to Patent and Trademark Security Agreement**

TRADEMARKS AND TRADEMARK APPLICATIONS

Mark	Country	Class	App. No	App. Date	Reg. No.	Reg. Date	Status
EARLENS	Brazil	10	830.946.632	02/24/2011	830.946.632	07/08/2014	Registered
EARLENS	Canada	10, 35, 44	1510897	01/12/2011			Allowed
	Canada	10	1775650	04/05/2016			Pending
EARLENS	China	10	9164892	03/02/2011	9164892	03/07/2012	Registered
EARLENS	Europe	10, 35	009654823	01/12/2011	009654823	06/23/2011	Registered
	Europe	10	1297654	04/04/2016	1297654	04/04/2016	Registered
EARLENS	India	10	2088150	01/21/2011	2088150	09/06/2016	Registered
	International	10	1297654	04/04/2016	1297654	04/04/2016	Registered
EARLENS	Japan	10	2011-001383	01/12/2011	5423247	07/01/2011	Registered
	Norway	10	1297654	04/04/2016	1297654	04/04/2016	Registered
EARLENS	S. Korea	10	40-2011-0009589	02/25/2011	0927645	07/17/2012	Registered

Mark	Country	Class	App. No	App. Date	Reg. No.	Reg. Date	Status
	Switzerland	10	1297654	04/04/2016	1297654	04/04/2016	Registered
	US	10	85/025,073	04/28/2010	4,547,818	06/10/2014	Registered
HEAR THE LIGHT	US	10	85/022,176	04/23/2010	4,551,997	06/17/2014	Registered
PHOTON	US	10	86/806791	11/02/2015	5083575	11/15/2016	Registered
	US	10	86/817095	11/11/2015	5083603	11/15/2016	Registered
	US	10	86/817073	11/11/2015	5083602	11/15/2016	Registered
EARLENS	US	10	77/240,139	07/26/2007	3,978,414	06/14/2011	Registered
EARLENS	US	10	73/565,293	10/28/1985	1,426,453	01/27/1987	Registered