

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

ETAS ID: TM532039

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
ZPOWER, LLC		07/15/2019	Limited Liability Company: DELAWARE
RECEIVING PARTY DATA			
Name:	MIDCAP FINANCIAL TRUST, as AGENT		
Street Address:	7255 Woodmont Ave.		
City:	BETHESDA		
State/Country:	MARYLAND		
Postal Code:	20814		
Entity Type:	Statutory Trust: DELAWARE		
PROPERTY NUMBERS Total: 4			
Property Type	Number	Word Mark	
Registration Number:	4354333	ZPOWER	
Registration Number:	4354334	Z POWER	
Registration Number:	3581260	Z POWER	
Registration Number:	3462875	ZPOWER	
CORRESPONDENCE DATA			
Fax Number:	7036106200		
<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:	7036106100		
Email:	valerie.brennan@hoganlovells.com, boxip@hoganlovells.com, leilani.legaspi@hoganlovells.com		
Correspondent Name:	VALERIE BRENNAN, HOGAN LOVELLS US LLP		
Address Line 1:	8350 Broad St.		
Address Line 2:	17TH FLOOR		
Address Line 4:	tysons, VIRGINIA 22102		
NAME OF SUBMITTER:	VALERIE BRENNAN		
SIGNATURE:	/vb/		
DATE SIGNED:	07/16/2019		
Total Attachments: 26			

CH \$115.00 4354333

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**REAFFIRMATION AGREEMENT AND AMENDMENT TO INTELLECTUAL PROPERTY
SECURITY AGREEMENT**

This **REAFFIRMATION AGREEMENT AND AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this “**Agreement**”) is made as of this 15th day of July, 2019, **ZPOWER, LLC**, a Delaware limited liability company (the “**Obligor**”) and **MIDCAP FINANCIAL TRUST**, a Delaware statutory trust, as agent (in such capacity, together with its successors and permitted assigns, “**Agent**”) for the Lenders party to the Amended and Restated Credit Agreement (defined below). All capitalized terms used but not elsewhere defined herein shall have the respective meanings ascribed to such terms in the Amended and Restated Credit Agreement.

W I T N E S S E T H:

A. The Obligor, Agent and the Lenders party thereto have entered into that certain Credit and Security Agreement, dated as of January 18, 2018 (as amended prior to the date hereof and as further amended, supplemented, or otherwise modified from time to time prior to the date hereof, the “**Existing Credit Agreement**”), pursuant to which the Lenders party thereto made loans and other financial accommodations to the Borrowers (as defined in the Existing Credit Agreement), subject to the terms and conditions set forth therein.

B. In connection with the Existing Credit Agreement, the Obligor has previously reviewed, consented to and, if applicable, executed various agreements, documents and instruments in connection with the Existing Credit Agreement, including, without limitation, all Financing Documents (excluding the Existing Credit Agreement, the Notes and any separate fee letters) in effect immediately prior to giving effect to the Closing Date (collectively, the “**Existing Financing Documents**”).

C. The Obligor, Agent and the Lenders party thereto have agreed to amend and restate the Existing Credit Agreement in its entirety, without constituting a novation, pursuant to that certain Amended and Restated Credit and Security Agreement of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the “**Amended and Restated Credit Agreement**”) by and among the Obligor, Agent and the Lenders party thereto.

D. The Obligor shall derive both direct and indirect benefits from the loans and other financial accommodations made pursuant to the provisions of the Amended and Restated Credit Agreement.

E. One of the conditions precedent to Agent and the Lenders entering into the Amended and Restated Credit Agreement is that the Obligor execute and deliver this Agreement, among other things, to acknowledge and agree that the Existing Financing Documents, and the liens, security interests granted and issued thereunder, secure the Obligations.

NOW, THEREFORE, in consideration of the premises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which hereby are acknowledged, each of the undersigned hereby agrees as follows:

1. References Contained in the Existing Financing Documents. All references in the Existing Financing Documents to the “Obligations” to Agent and the Lenders shall be deemed to refer to, without limitation, the “Obligations” of the Obligor under, pursuant to and as defined in the Amended and Restated Credit Agreement. All references in the Existing Financing Documents to the “Credit Agreement” shall be deemed to refer to the Amended and Restated Credit Agreement. All references in

the Existing Financing Documents to the “Lenders” (or words of similar import) shall be deemed to refer to the Lenders under the Amended and Restated Credit Agreement.

2. Reaffirmation. In connection with the execution and delivery of the Amended and Restated Credit Agreement, the Obligor, as borrower, debtor, grantor, pledgor or assignor, as applicable, or in any other similar capacities in which such Person grants Liens or security interests in its property, as the case may be, in any case under the Existing Financing Documents, including without limitation each document to which such Obligor is a party thereto set forth on Schedule A hereto, hereby (i) ratifies and reaffirms all of its payment, performance and observance obligations and liabilities, whether contingent or otherwise, under each of such Existing Financing Documents, as amended hereby, to which it is a party, and (ii) to the extent such Obligor granted Liens on or security interests in any of its property pursuant to any such Existing Financing Documents as security for the Obligations, ratifies and reaffirms such grant of security and confirms and agrees that such Liens and security interests hereafter secure all of the Obligations of such Person under the Existing Financing Documents, as amended hereby, in each case including, without limitation, all obligations, indebtedness and liabilities resulting from the Amended and Restated Credit Agreement, and as if each reference in such Existing Financing Documents, as amended hereby, to the obligations, indebtedness and liabilities secured thereby are construed hereafter to mean and refer to such obligations, indebtedness and liabilities under the Amended and Restated Credit Agreement and the other Financing Documents, including, without limitation, the Existing Financing Documents, as amended hereby.

The Obligor acknowledges receipt of a copy of the Amended and Restated Credit Agreement and the Financing Documents executed and delivered in connection therewith and acknowledges that each of the Existing Financing Documents, as amended hereby, remains in full force and effect and hereby is ratified and confirmed. The execution and delivery of this Agreement, and the performance of the Obligor’s obligations hereunder, shall not (i) operate as a waiver of any right, power or remedy of Agent or the Lenders, (ii) constitute a waiver of any provision of any of the Existing Financing Documents, or (iii) constitute a novation of any of the Obligations under the Existing Credit Agreement or the Financing Documents (including, without limitation, the Existing Financing Documents). The Obligor agrees that this Agreement constitutes a “Financing Document” under the Amended and Restated Credit Agreement.

3. Representations and Warranties and Amendments to the Intellectual Property Security Agreement Exhibits.

(a) The Obligor hereby confirms to Agent that the representations and warranties set forth in the Existing Financing Documents, as amended by this Agreement, made by such Obligor are true and correct in all material respects on and as of the date hereof as if such representation or warranty were made on and as of the date hereof; *provided, however*, that (A) such materiality qualifier shall not be applicable to any representations and warranties that already are qualified or modified by materiality in the text thereof and (B) those representations and warranties expressly referring to a specific date shall be true, correct and complete in all material respects as of such date. The Obligor hereby represents and warrants to Agent that: (i) such Person has the power and is duly authorized to enter into, deliver and perform this Agreement; (ii) upon the execution and delivery hereof, this Agreement shall be valid, binding and enforceable upon such Person in accordance with its terms (except as limited by applicable bankruptcy, insolvency, reorganization, moratorium and other similar laws relating to or affecting creditors’ rights generally); (iii) Agent has and shall continue to have, to the extent required by the Amended and Restated Credit Agreement, valid, enforceable and perfected first-priority liens, subject to Permitted Liens, on and security interests in the Collateral and all other collateral heretofore granted by the Obligor to Agent, for the benefit of Agent and each Lender, pursuant to the Financing Documents, the

Existing Financing Documents or otherwise granted to or held by Agent, for the benefit of Agent and each Lender and (iv) no Default or Event of Default has occurred and is continuing.

(b) In connection herewith, the parties hereto desire to amend and restate the exhibits to that certain Intellectual Property Security Agreement, dated as of January 18, 2018 (as the same has been amended, restated, supplemented or otherwise modified, the “IPSA”) between Obligor and Agent in their entirety without constituting a novation. The Obligor hereby represents and warrants to Agent, for the benefit of the Lenders, that such exhibits attached hereto as Exhibit A, Exhibit B, Exhibit C and Exhibit D accurately and completely set forth the information required pursuant to the IPSA as of the date hereof, and, notwithstanding anything to the contrary set forth herein, references in the IPSA to information in the exhibits being “as of the Closing Date” (or words of similar import) shall mean as of the date hereof. Delivery of such disclosures shall not relieve or otherwise constitute a waiver by Agent or any Lender or a cure of any Default or Event of Default under the Existing Credit Agreement resulting in connection with the matters disclosed or a breach of the underlying covenant, representation or warranty (regardless of such disclosure).

4. No Further Amendments; Ratification of Liability; Effect. Except as amended hereby, each of the Existing Financing Documents shall remain in full force and effect in accordance with their respective terms. The Obligor hereby ratifies and confirms its liabilities, obligations and agreements under the Existing Financing Documents, all as amended by this Agreement, and acknowledges that (i) the Obligor, to the best of its knowledge, has no defenses, claims or set-offs to the enforcement by Agent of such liabilities, obligations and agreements, (ii) Agent and the Lenders have fully performed all obligations to such Persons which Agent and the Lenders may have had or have on and as of the date hereof and (iii) neither Agent nor any of the Lenders waives, diminishes or limits any term, condition or covenant contained in the Existing Financing Documents.

5. Successors and Assigns. This Agreement shall be binding upon the Obligor and its successors and assigns and shall inure to the benefit of Agent and the Lenders and their respective successors and assigns; all references herein to the Obligor shall be deemed to include its respective successors and assigns. The successors and assigns of such Persons shall include, without limitation, their respective receivers, trustees or debtors-in-possession.

6. Further Assurances. The Obligor hereby agrees from time to time, as and when reasonably requested by Agent, to execute and deliver or cause to be executed and delivered (or otherwise authorized), all such documents, instruments and agreements, including, without limitation, any UCC financing statements (including, without limitation, any initial financing statements or in lieu financing statements), and to take or cause to be taken such further or other action as Agent may reasonably deem necessary in order to carry out the intent and purposes of this Agreement, the Amended and Restated Credit Agreement and the other Financing Documents, in each case as amended hereby.

7. Definitions. All references to the singular shall be deemed to include the plural and vice versa where the context so requires.

8. Governing Law. THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO CONFLICTS OF LAWS PRINCIPLES (OTHER THAN SECTION 5-1401 OF THE GENERAL OBLIGATIONS LAW).

9. Waiver of Jury Trial. THE OBLIGOR AND AGENT HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL ACTION OR

PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY AND AGREES THAT ANY SUCH ACTION OR PROCEEDING SHALL BE TRIED BEFORE A COURT AND NOT BEFORE A JURY. THE OBLIGOR AND AGENT ACKNOWLEDGES THAT THIS WAIVER IS A MATERIAL INDUCEMENT TO ENTER INTO A BUSINESS RELATIONSHIP, THAT EACH HAS RELIED ON THE WAIVER IN ENTERING INTO THIS AGREEMENT, AND THAT EACH WILL CONTINUE TO RELY ON THIS WAIVER IN THEIR RELATED FUTURE DEALINGS. THE OBLIGOR AND AGENT WARRANTS AND REPRESENTS THAT IT HAS HAD THE OPPORTUNITY OF REVIEWING THIS JURY WAIVER WITH LEGAL COUNSEL, AND THAT IT KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS.

10. Indemnification. The Obligor acknowledges its indemnification obligations pursuant to Section 11.6 of the Amended and Restated Credit Agreement.

11. Severability. Wherever 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 to the extent of such prohibition or invalidity without invalidating the remainder of such provision or the remaining provisions of this Agreement.

12. Entire Agreement. This Agreement embodies the entire agreement between the parties hereto relating to the subject matter hereof and supersedes all prior agreements, representations and understandings, if any, relating to the subject matter thereof.

13. Execution in Counterparts. This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery of an executed signature page of this Agreement by facsimile transmission or electronic transmission shall be as effective as delivery of a manually executed counterpart hereof.

14. Section Headings. The section headings herein are for convenience of reference only, and shall not affect in any way the interpretation of any of the provisions hereof.

15. Release. In consideration of the agreements of Agent contained herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Obligor, on behalf of itself and each of its Affiliates and Subsidiaries and each of their respective successors, assigns, and other legal representatives, hereby absolutely, unconditionally and irrevocably releases, remises and forever discharges Agent and each Lender and their respective successors and assigns, and their respective present and former shareholders, affiliates, subsidiaries, divisions, predecessors, directors, officers, attorneys, employees, agents and other representatives (Agent, Lenders and all such other persons being hereinafter referred to collectively as the “**Releasees**” and individually as a “**Releasee**”), of and from all demands, actions, causes of action, suits, covenants, contracts, controversies, agreements, promises, sums of money, accounts, bills, reckonings, damages and any and all other claims, counterclaims, defenses, rights of set-off, demands and liabilities whatsoever (individually, a “**Claim**” and collectively, “**Claims**”) of every name and nature, both at law and in equity, which such Obligor or any of its successors, assigns, or other legal representatives may own, hold, have or claim to have against the Releasees or any of them for, upon, or by reason of any circumstance, action, cause or thing whatsoever which arises at any time prior to the effectiveness hereof, including, without limitation, for or on account of, or in relation to, or in any way in connection with the Credit Agreement or any of the other Financing Documents or transactions thereunder or related thereto (except with respect to any Claim resulting from the gross negligence or willful misconduct of such Releasee, as determined by a final non-

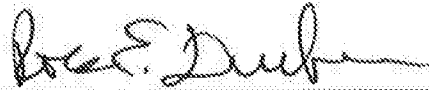
appealable judgment of a court of competent jurisdiction). The Obligor understands, acknowledges and agrees that its release set forth above may be pleaded as a full and complete defense and may be used as a basis for an injunction against any action, suit or other proceeding which may be instituted, prosecuted or attempted in breach of the provisions of such release.

[Remainder of page intentionally left blank; signature pages follow]

IN WITNESS WHEREOF, this Agreement has been duly executed by each of the undersigned as of the day and year first set forth above.

OBLIGOR:

ZPOWER, LLC

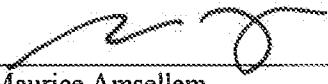
By: 
Name: ROSS E. DUEBER
Title: PRESIDENT & CEO

AGENT:

MIDCAP FINANCIAL TRUST, as Agent

By: Apollo Capital Management, L.P.,
its investment manager

By: Apollo Capital Management GP, LLC,
its general partner

By:  (SEAL)
Name: Maurice Amsellem
Title: Authorized Signatory

SCHEDULE A

1. Intellectual Property Security Agreement, dated as of January 18, 2018, by and among the Obligor and Agent, as amended, restated, supplemented or otherwise modified from time to time.

EXHIBIT A

None.

EXHIBIT B

(See attached)

ZPower Patent Estate as of 6/30/2019

Country	Serial No.	Filing Date	Publication No.	Patent No.	Issue Date	Status	Title of Application
AUTOMATIC RECONFIGURATION OF A HEARING ASSISTANCE DEVICE BASED ON BATTERY CHARACTERISTICS (Co-Owner: Starkey Laboratories, Inc.)							
UNITED STATES	61/616,402	3/27/2012	N/A	N/A	N/A	Lapsed	AUTOMATIC RECONFIGURATION OF A HEARING ASSISTANCE DEVICE BASED ON BATTERY CHARACTERISTICS
UNITED STATES	13/707,409	12/6/2012	US-20130259278	9,113,276	8/18/2015	Pending	AUTOMATIC RECONFIGURATION OF A HEARING ASSISTANCE DEVICE BASED ON BATTERY CHARACTERISTICS
UNITED STATES	14/827,849	8/17/2015	US-201600732051	N/A	N/A	Lapsed	AUTOMATIC RECONFIGURATION OF A HEARING ASSISTANCE DEVICE BASED ON BATTERY CHARACTERISTICS
EUROPE	13161446.3	3/27/2013	EP 2645745	N/A	N/A	Lapsed	AUTOMATIC RECONFIGURATION OF A HEARING ASSISTANCE DEVICE BASED ON BATTERY CHARACTERISTICS
BATTERY CHARGER COMMUNICATION SYSTEM							
UNITED STATES	61/953,523	3/14/2014	N/A	N/A	N/A	Lapsed	BATTERY CHARGER COMMUNICATION SYSTEM
WIPO	PCT/US2015/020328	3/13/2015	WO 2015/138828	N/A	N/A	Lapsed	BATTERY CHARGER COMMUNICATION SYSTEM
UNITED STATES	15/125,674	9/13/2016	US-20170013369	N/A	N/A	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
CANADA	2,941,736	9/2/2016	N/A	N/A	N/A	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
EUROPE	15713602.9	9/8/2016	EP 3117229	EP 3117229	12/26/2018	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
SWITZERLAND	(EP 15713602.9)	(9/8/2016)	(EP 3117229)	(EP 3117229)	(12/26/2018)	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
FRANCE	(EP 15713602.9)	(9/8/2016)	(EP 3117229)	(EP 3117229)	(12/26/2018)	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
GERMANY	(EP 15713602.9)	(9/8/2016)	(EP 3117229)	(EP 3117229)	(12/26/2018)	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
DENMARK	(EP 15713602.9)	(9/8/2016)	(EP 3117229)	(EP 3117229)	(12/26/2018)	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
UNITED KINGDOM	(EP 15713602.9)	(9/8/2016)	(EP 3117229)	(EP 3117229)	(12/26/2018)	Pending	BATTERY CHARGER COMMUNICATION SYSTEM
BATTERY CHARGING SYSTEM							
UNITED STATES	10/022,450	12/16/2001	US-20030111979	6,943,529	09/13/2005	Lapsed	BATTERY CHARGING SYSTEM
WIPO	PCT/US2002/038934	12/06/2002	WO 2003/052899	N/A	N/A	Lapsed	BATTERY CHARGING SYSTEM
UNITED STATES	10/810,204	03/26/2004	US-20040217738	7,218,076	05/15/2007	Pending	BATTERY CHARGING SYSTEM
BATTERY HOUSING							
UNITED STATES	29/317,253	04/25/2008	N/A	D586739	02/17/2009	Pending	BATTERY HOUSING
BATTERY HOUSING							
UNITED STATES	29/317,117	04/23/2008	N/A	D586738	02/17/2009	Pending	BATTERY HOUSING

TRADEMARK

Country	Serial No.	Filing Date	Publication No.	Patent No.	Issue Date	Status	Title of Application
CATHODE ACTIVE MATERIAL							
UNITED STATES	61/109,312	10/29/2008	N/A	N/A	N/A	Lapsed	CATHODE ACTIVE MATERIAL
WIPO	PCT/US2009/062516	10/29/2009	WO 2010/051356	N/A	N/A	Lapsed	CATHODE ACTIVE MATERIAL
UNITED STATES	13/126,817	04/29/2011	US-20110286912	8,936,775	1/20/2015	Pending	CATHODE ACTIVE MATERIAL (HIGHER OXIDES OF SILVER)
CATHODE FOR SECONDARY SILVER ZINC CELL							
UNITED STATES	61/257,576	11/03/2009	N/A	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERY
UNITED STATES	61/295,882	01/18/2010	N/A	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERY
WIPO	PCT/US2010/055204	11/03/2010	WO 2011/056813	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
TAIWAN	099137837	11/03/2010	201128840	1509867	11/21/2015	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
UNITED STATES	13/504,986	4/30/2012	US-20130071744	9,184,444	11/10/2015	Pending	ELECTRODES AND RECHARGEABLE BATTERIES
CANADA	2779090	4/26/2012	N/A	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
EUROPE	10776246.0	6/1/2012	EP 2497138	2497138	6/8/2016	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
FRANCE	(EP 10776246.0)	(6/1/2012)	(EP 2497138)	(EP 2497138)	(6/8/2016)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
GREAT BRITAIN	(EP 10776246.0)	(6/1/2012)	(EP 2497138)	(EP 2497138)	(6/8/2016)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
GERMANY	602010033966.1	(6/1/2012)	(EP 2497138)	(EP 2497138)	(6/8/2016)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
SWITZERLAND	(EP 10776246.0)	(6/1/2012)	(EP 2497138)	(EP 2497138)	(6/8/2016)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
JAPAN	2012-537205	4/27/2012	2013-510390	5806675	9/11/2015	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
CO-EXTRUDED SEPARATORS							
UNITED STATES	61/040,021	03/27/2008	N/A	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
WIPO	PCT/US2009/001946	03/27/2009	WO 2009/120382	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
AUSTRALIA	2009229167	09/24/2010	2009229167	2009229167	5/8/2014	Pending	ELECTRODE SEPARATOR
CANADA	2,719,223	09/22/2010	N/A	2,719,223	7/4/2017	Pending	ELECTRODE SEPARATOR
CHINA	200980116097.X	11/04/2010	CN 102017232 A	ZL 200980116097.X	7/2/2014	Pending	ELECTRODE SEPARATOR
EUROPE	09724542.7	10/27/2010	EP 2272119	2272119	4/23/2014	Pending	ELECTRODE SEPARATOR
DENMARK	(EP 09724542.7)	(10/27/2010)	(EP 2272119)	DK/EP 2272119	7/7/2014	Pending	ELECTRODE SEPARATOR
GERMANY	602009023462.5	(10/27/2010)	(EP 2272119)	(EP 2272119)	(4/23/2014)	Pending	ELECTRODE SEPARATOR
SWITZERLAND (w/ LI)	(EP 09724542.7)	(10/27/2010)	(EP 2272119)	(EP 2272119)	(4/23/2014)	Pending	ELECTRODE SEPARATOR
EUROPE	13159666.0	03/18/2013	EP 2639855	N/A	N/A	Pending	ELECTRODE SEPARATOR
JAPAN	2011-501842	09/27/2010	2011-515821	5591220	8/8/2014	Pending	ELECTRODE SEPARATOR
JAPAN	2014-018854	02/03/2014	2014-099413	6215078	9/27/2017	Pending	ELECTRODE SEPARATOR
HONG KONG	11105749.0	06/08/2011	1153041A	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
UNITED STATES	12/933,977	09/22/2010	US-20110123850	N/A	N/A	Lapsed	ELECTRODE SEPARATOR

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Country	Serial No.	Filing Date	Publication No.	Patent No.	Issue Date	Status	Title of Application
UNITED STATES	14/477,219	09/04/2014	US-20150028516	9,960,399	5/1/2018	Pending	ELECTRODE SEPARATOR
COLOR BANDING BATTERIES							
UNITED STATES	61/927,006	1/14/2014	N/A	N/A	N/A	Lapsed	POLYMER COATINGS FOR METAL SURFACES
WIPO	PCT/US2015/011087	1/13/2015	WO 2015/108830	N/A	N/A	Lapsed	POLYMER COATINGS FOR METAL SURFACES
UNITED STATES	15/111,196	7/13/2016	US-20160329534	N/A	N/A	Lapsed	POLYMER COATINGS FOR METAL SURFACES
GEN 1 DESIGN BATTERY DOOR MODULE							
UNITED STATES	29/530,314	6/16/2015	N/A	D/57,944	5/31/2016	Pending	HEARING AID BATTERY DOOR
GEN 2 DESIGN BATTERY DOOR MODULE							
UNITED STATES	29/530,315	6/16/2015	N/A	D/57,945	5/31/2016	Pending	HEARING AID BATTERY DOOR
HEARING AID BATTERY CHARGER							
UNITED STATES	29/530,321	6/16/2015	N/A	D/789,884	6/20/2017	Pending	HEARING AID BATTERY CHARGING BASE
HEARING AID BATTERY DOOR MODULE							
UNITED STATES	62/013,606	6/18/2014	N/A	N/A	N/A	Lapsed	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
UNITED STATES	62/048,465	9/10/2014	N/A	N/A	N/A	Lapsed	HEARING AID BATTERY DOOR MODULE
WIPO	PCT/US2015/036128	6/17/2015	WO 2015/195735	N/A	N/A	Lapsed	HEARING AID BATTERY DOOR MODULE
UNITED STATES	15/317,998	12/12/2016	US-20170134869	10,057,695	8/21/2018	Pending	HEARING AID BATTERY DOOR MODULE
AUSTRALIA	2015277299	11/21/2016	N/A	N/A	N/A	Pending	HEARING AID BATTERY DOOR MODULE
CANADA	2,950,303	11/24/2016	N/A	N/A	N/A	Pending	HEARING AID BATTERY DOOR MODULE
CHINA	201580032661.5	12/16/2016	CN 106465026 A	N/A	N/A	Pending	HEARING AID BATTERY DOOR MODULE
EUROPE	15/795050.2	12/19/2016	EP 3158777	N/A	N/A	Pending	HEARING AID BATTERY DOOR MODULE
HONG KONG	17108118.1	8/15/2017	1234568A	N/A	N/A	Pending	HEARING AID BATTERY DOOR MODULE
JAPAN	2016-573578	12/15/2016	2017-521928	N/A	N/A	Pending	HEARING AID BATTERY DOOR MODULE
MEXICO	MX/a/2016/015504	11/25/2016	MX/a/2016/015504	359820	10/11/2018	Pending	HEARING AID BATTERY DOOR MODULE
DOPED CATHODE MATERIALS							
UNITED STATES	61/164,080	03/27/2009	N/A	N/A	N/A	Lapsed	IMPROVED CATHODE FOR USE IN BATTERY
UNITED STATES	61/164,216	03/27/2009	N/A	N/A	N/A	Lapsed	IMPROVED ALUMINUM DOPED CATHODE FOR USE IN BATTERY
WIPO	PCT/US2010/028772	03/26/2010	WO 2010/111567	N/A	N/A	Lapsed	IMPROVED CATHODE
UNITED STATES	13/259,315	09/23/2011	US-20120164526	N/A	N/A	Lapsed	CATHODE
UNITED STATES	14/230,020	03/31/2014	US-20140227591	9,209,454	12/8/2015	Pending	CATHODE
AUSTRALIA	2010229828	09/26/2011	2010229828	2010229828	10/16/2014	Pending	IMPROVED CATHODE
CANADA	2757062	09/27/2011	N/A	N/A	N/A	Pending	A CATHODE COMPRISING DOPED SILVER POWDER AND USES OF SAME
EUROPE	10/756896.6	10/27/2011	EP 2411563	2411563	2/7/2018	Pending	IMPROVED CATHODE

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FRANCE	(EP 10/56896.6)	(10/27/2011)	(EP2411563)	(EP2411563)	(2/7/2018)	Pending	IMPROVED CATHODE
GERMANY	602010048407.6	(10/27/2011)	(EP2411563)	(EP2411563)	(2/7/2018)	Pending	IMPROVED CATHODE
GREAT BRITAIN	(EP 10/56896.6)	(10/27/2011)	(EP2411563)	(EP2411563)	(2/7/2018)	Pending	IMPROVED CATHODE
JAPAN	2012-502275	09/26/2011	2012-522336	5638058	10/31/2014	Pending	IMPROVED CATHODE
INDUSTRIAL BATTERY ELECTROLYTE							
UNITED STATES	61/413,523	11/15/2010	N/A	N/A	N/A	Lapsed	POLYMER PLASTICIZERS FOR SEPARATORS
WIPO	PCT/US2011/060511	11/14/2011	WO 2012/067977	N/A	N/A	Lapsed	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE
UNITED STATES	13/885,194	5/14/2013	US-20130244101	9,634,359	4/25/2017	Pending	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE
EUROPE	11/791684.1	6/17/2013	EP 2641293	2641293	8/31/2016	Pending	SILVER/ZINC RECHARGEABLE BATTERIES
FRANCE	(EP 11/791684.1)	(6/17/2013)	(EP 2641293)	(EP 2641293)	(8/31/2016)	Pending	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE
GREAT BRITAIN	(EP 11/791684.1)	(6/17/2013)	(EP 2641293)	(EP 2641293)	(8/31/2016)	Pending	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE
GERMANY	602011029907.7	(6/17/2013)	(EP 2641293)	(EP 2641293)	(8/31/2016)	Pending	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE
MANGANESE DIOXIDE CATHODES WITH NANOMATERIAL STABILIZERS							
UNITED STATES	61/409,658	11/3/2010	N/A	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
WIPO	PCT/US2011/058877	11/2/2011	WO 2012/061449	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
UNITED STATES	13/882,996	5/2/2013	US-20130230774	9,184,440	11/10/2015	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
CANADA	2,816,422	4/29/2013	N/A	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
EUROPE	11/784872.1	5/2/2013	EP 2636089	2636089	12/20/2017	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
DENMARK	(EP 2636089)	(11/2/2011)	(EP 2636089)	(EP 2636089)	(12/20/2017)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
FRANCE	(EP 2636089)	(11/2/2011)	(EP 2636089)	(EP 2636089)	(12/20/2017)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
GERMANY	602011044403.4	(11/2/2011)	(EP 2636089)	(EP 2636089)	(12/20/2017)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
GREAT BRITAIN	(EP 2636089)	(11/2/2011)	(EP 2636089)	(EP 2636089)	(12/20/2017)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
SWITZERLAND	(EP 2636089)	(11/2/2011)	(EP 2636089)	(EP 2636089)	(12/20/2017)	Pending	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
JAPAN	2013-537772	5/1/2013	2013-545242	N/A	N/A	Lapsed	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES
METHODS FOR PERFORMING MINIATURE WIRELESS CHARGING							
UNITED STATES	62/554,710	9/6/2017	N/A	N/A	N/A	Lapsed	WIRELESS CHARGING SYSTEMS AND METHODS
WIPO	PCT/US2018/049665	9/6/2018	WO 2019/051026	N/A	N/A	Pending	WIRELESS CHARGING SYSTEMS AND METHODS

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MINIATURE WIRELESS CHARGING TECHNOLOGY							
UNITED STATES	62/554,684	9/6/2017	N/A	N/A	N/A	Lapsed	WIRELESS POWER TRANSMITTER ASSEMBLY AND RELATED METHODS
WIPO	PCT/US2018/049658	9/6/2018	WO 2019/051022	N/A	N/A	Pending	WIRELESS POWER TRANSMITTER ASSEMBLY AND RELATED METHODS
MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU							
UNITED STATES	10/021,838	12/14/2001	N/A	6,459,243	10/01/2002	Pending	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
AUSTRIA	2002353075	12/06/2002	N/A	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
CHINA	02816170.X	12/06/2002	CN 1543687 A	ZL02816170.X	07/12/2006	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
DENMARK	PA200400876	12/06/2002	200400876	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
EUROPE	02/90050.5	12/06/2002	EP 1454375	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
FRANCE	02/90050.5	12/06/2002	N/A	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
GERMANY	2002197404T	12/06/2002	10297404T	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
GREAT BRITAIN	0329423.8	12/06/2002	2392790	2392790 B	8/3/2005	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
JAPAN	2003-567151	12/06/2002	2005-517279	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
SOUTH KOREA	10-2004-700079	12/06/2002	2004-0066085	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
SINGAPORE	200401444-5	12/06/2002	N/A	103577	4/30/2007	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
WIPO	PCT/US2002/039153	12/06/2002	WO 2003/061052	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU
MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU							
UNITED STATES	10/021,839	12/14/2001	N/A	6,522,102	02/18/2003	Pending	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
AUSTRIA	2002360515	12/06/2002	N/A	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
CHINA	02815543.2	12/06/2002	CN 1539177 A	ZL02815543.2	8/16/2006	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
DENMARK	PA200400204	12/06/2002	200400204	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
EUROPE	02/95776.0	12/06/2002	1466380	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
GERMANY	DE2002197088T	12/06/2002	10297088	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
FRANCE	02/95776.0	12/06/2002	N/A	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU

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GREAT BRITAIN	32/7860.3	12/06/2002	2391106	2391106	04/06/2005	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
JAPAN	2003-553651	12/06/2002	2005-513980	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
SOUTH KOREA	10-2003-7016384	12/06/2002	20040065997	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
SINGAPORE	200401451-0	12/06/2002	N/A	103581	10/29/2004	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
WIPO	PCT/US2002/039154	12/06/2002	WO 2003/052859	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
HONG KONG	04109424.3	11/30/2004	N/A	N/A	N/A	Lapsed	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU
PE BARRIER FILMS WITH YTRIUM-STABILIZED ZIRCONIA/PVDF SEPARATOR TECHNOLOGY/ABS POLYMER SEPARATOR FOR SILVER-ZINC BATTERIES							
UNITED STATES	61/383,595	9/16/2010	N/A	N/A	N/A	Lapsed	ELECTRODE SEPARATORS HAVING STABILIZED FILLERS
UNITED STATES	61/383,519	9/16/2010	N/A	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
UNITED STATES	61/383,553	9/16/2010	N/A	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
WIPO	PCT/US2011/051864	9/16/2011	WO 2012/037426	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
UNITED STATES	13/823,286	3/14/2013	US-20130266872	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
UNITED STATES	16/169,131	10/24/2018	US-2019-0058176	N/A	N/A	Pending	ELECTRODE SEPARATOR
CANADA	2811007	3/8/2013	(WO 2012/037426)	N/A	N/A	Pending	ELECTRODE SEPARATOR
EUROPE	11/760953.7	3/15/2013	EP 2617084	N/A	N/A	Pending	ELECTRODE SEPARATOR
EUROPE	13191477.2	11/4/2013	EP 2717350	N/A	N/A	Pending	ELECTRODE SEPARATOR
JAPAN	2013-529352	3/14/2013	2013-537360	N/A	N/A	Lapsed	ELECTRODE SEPARATOR
PENTAVALENT DOPANTS FOR SILVER CATHODES							
UNITED STATES	61/386,194	09/24/2010	N/A	N/A	N/A	Lapsed	CATHODE
WIPO	PCT/US2011/052504	09/21/2011	WO 2012/040298	N/A	N/A	Lapsed	CATHODE
UNITED STATES	13/825,429	3/21/2013	US-20130216901	9,401,509	7/26/2016	Pending	CATHODE
CANADA	2,812,180	3/15/2013	N/A	2,812,180	3/5/2019	Pending	DOPED SILVER CATHODE
EUROPE	11/764058.1	3/13/2013	EP 2619830	2619830	6/8/2016	Pending	CATHODE
FRANCE	(EP 2619830)	(8/12/2016)	(EP 2619830)	(EP 2619830)	(6/8/2016)	Pending	CATHODE
GREAT BRITAIN	602011027293.4	(8/12/2016)	(EP 2619830)	(EP 2619830)	(6/8/2016)	Pending	CATHODE
GERMANY	(EP 2619830)	(8/12/2016)	(EP 2619830)	(EP 2619830)	(6/8/2016)	Pending	CATHODE
JAPAN	2013-530250	3/21/2013	2013-541815	N/A	N/A	Lapsed	CATHODE
PVDF BINDER MATERIAL							
UNITED STATES	61/039,963	03/27/2008	N/A	N/A	N/A	Lapsed	ELECTRODES AND ELECTROCHEMICAL CELLS EMPLOYING THE SAME
WIPO	PCT/US2009/001888	03/27/2009	WO 2009/120352	N/A	N/A	Lapsed	IMPROVED ELECTRODES AND ELECTROCHEMICAL CELLS EMPLOYING THE SAME

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UNITED STATES	12/934,283	9/24/2010	US-20110262803	N/A	N/A	Lapsed	ELECTRODES AND ELECTROCHEMICAL CELLS EMPLOYING THE SAME
UNITED STATES	15/097,739	4/13/2016	US-20160301077	N/A	N/A	Pending	ELECTRODES AND ELECTROCHEMICAL CELLS EMPLOYING THE SAME
MICROPOROUS MEMBRANE BATTERY SEPARATOR FOR SILVER ZINC BATTERIES							
(Purchased from Advanced Membrane Systems, Inc.)							
UNITED STATES	09/512,917	2/25/2000	N/A	6,372,379	4/16/2002	Pending	MICROPOROUS MEMBRANE BATTERY SEPARATOR FOR SILVER ZINC BATTERIES
SILICA DOPANTS FOR SILVER CATHODES							
UNITED STATES	61/706,170	9/27/2012	N/A	N/A	N/A	Lapsed	CATHODE
WIPO	PCT/US2013/061834	9/26/2013	WO 2014/052533	N/A	N/A	Lapsed	CATHODE
UNITED STATES	14/429,846	3/20/2015	US-20150249249	9,799,886	10/24/2017	Pending	CATHODE WITH SILVER MATERIAL AND SILICATE DOPANT AND METHOD OF PRODUCING
CANADA	2886154	3/25/2015	(WO 2014/052533)	N/A	N/A	Pending	CATHODE
EUROPE	13773554.4	4/27/2015	EP 2901516	2901516	6/14/2017	Pending	CATHODE
DENMARK	(EP 13773554.4)	(9/26/2013)	(EP 2901516)	(EP 2901516)	(6/14/2017)	Pending	CATHODE
FRANCE	(EP 13773554.4)	(9/26/2013)	(EP 2901516)	(EP 2901516)	(6/14/2017)	Pending	CATHODE
GERMANY	602013022301.7	(9/26/2013)	(EP 2901516)	(EP 2901516)	(6/14/2017)	Pending	CATHODE
GREAT BRITAIN	(EP 13773554.4)	(9/26/2013)	(EP 2901516)	(EP 2901516)	(6/14/2017)	Pending	CATHODE
SWITZERLAND	(EP 13773554.4)	(9/26/2013)	(EP 2901516)	(EP 2901516)	(6/14/2017)	Pending	CATHODE
SYSTEM AND METHOD FOR RE-CHARGING SILVER-ZINC BUTTON CELL (FAMILY 1)							
UNITED STATES	61/364,563	7/15/2010	N/A	N/A	N/A	Lapsed	METHOD AND APPARATUS FOR RECHARGING A BATTERY
UNITED STATES	61/417,037	11/24/2010	N/A	N/A	N/A	Lapsed	METHOD AND APPARATUS FOR RECHARGING A BATTERY
WIPO	PCT/US2011/044212	7/15/2011	WO 2012/009652	N/A	N/A	Lapsed	METHOD AND APPARATUS FOR RECHARGING A BATTERY
TAIWAN	100124999	7/14/2011	201230592	1536702	6/1/2016	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
UNITED STATES	13/810,003	1/14/2013	US-20130207618	9,240,696	1/19/2016	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
EUROPE	11/739230.8	1/15/2013	EP 2594006	2594006	10/3/2018	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
SWITZERLAND	(EP 11/739230.8)	(1/15/2013)	(EP 2594006)	(EP 2594006)	(10/3/2018)	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
FRANCE	(EP 11/739230.8)	(1/15/2013)	(EP 2594006)	(EP 2594006)	(10/3/2018)	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
GERMANY	(EP 11/739230.8)	(1/15/2013)	(EP 2594006)	(EP 2594006)	(10/3/2018)	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
DENMARK	(EP 11/739230.8)	(1/15/2013)	(EP 2594006)	(EP 2594006)	(10/3/2018)	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
GREAT BRITAIN	(EP 11/739230.8)	(1/15/2013)	(EP 2594006)	(EP 2594006)	(10/3/2018)	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY
JAPAN	2013-519851	1/10/2013	2013-537792	5950909	6/17/2016	Pending	METHOD AND APPARATUS FOR RECHARGING A BATTERY

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SYSTEM AND METHOD FOR RE-CHARGING SILVER-ZINC BUTTON CELL (FAMILY 2)							
UNITED STATES	61/751,566	1/11/2013	N/A	N/A	N/A	Lapsed	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
WIPO	PCT/US2014/011214	1/13/2014	WO 2014/110477	N/A	N/A	Lapsed	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
UNITED STATES	14/759,666	7/8/2015	US-20150357859	10,291,051	5/14/2019	Pending	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
UNITED STATES	16/365,368	3/26/2019	N/A	N/A	N/A	Pending	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
AUSTRALIA	2014205149	7/1/2015	2014205149	2014205149	8/9/2018	Pending	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
CANADA	2,897,054	7/2/2015	(WO 2014/110477)	N/A	N/A	Pending	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
CHINA	201480012825.3	9/7/2015	105027381	N/A	N/A	Pending	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
EUROPE	14/702150.5	8/6/2015	EP 2944007	N/A	N/A	Pending	METHODS AND SYSTEMS FOR RECHARGING A BATTERY
TEMPERATURE DEPENDENT CHARGE ALGORITHM FOR AG-ZN BATTERIES							
UNITED STATES	62/154,206	4/29/2015	N/A	N/A	N/A	Lapsed	TEMPERATURE DEPENDENT CHARGE ALGORITHM
WIPO	PCT/US2016/029414	4/27/2016	WO 2016/176226	N/A	N/A	Lapsed	TEMPERATURE DEPENDENT CHARGE ALGORITHM
UNITED STATES	15/566,764	10/16/2017	US-20180123369	N/A	N/A	Pending	TEMPERATURE DEPENDENT CHARGE ALGORITHM
AUSTRALIA	2016255067	10/12/2017	N/A	N/A	N/A	Pending	TEMPERATURE DEPENDENT CHARGE ALGORITHM
CANADA	2,983,019	10/16/2017	N/A	N/A	N/A	Pending	TEMPERATURE DEPENDENT CHARGE ALGORITHM
EUROPE	16/23201.6	10/25/2017	EP 3289663	N/A	N/A	Pending	TEMPERATURE DEPENDENT CHARGE ALGORITHM
TEMPERATURE DEPENDENT CHARGE ALGORITHM FOR BATTERY DOOR MODULES							
UNITED STATES	62/515,061	6/5/2017	N/A	N/A	N/A	Lapsed	BATTERY CHARGING METHOD AND SYSTEM
WIPO	PCT/US2018/035828	6/4/2018	WO 2018/226571	N/A	N/A	Pending	BATTERY CHARGING METHOD AND SYSTEM DEPENDING ON AMBIENT TEMPERATURE
US 8,030,899: BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE (Co-Owner: Lenovo, Inc.)							
UNITED STATES	12/241,719	9/30/2008	US-20100079113	8,030,899	10/4/2011	Pending	BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE
US 8,244,312: BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE (Co-Owner: Lenovo, Inc.)							
UNITED STATES	12/241,871	9/30/2008	US-20100083008	8,244,312	8/14/2012	Pending	BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE
US 8,481,186: BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE (Co-Owner: Lenovo, Inc.)							
UNITED STATES	12/241,653	9/30/2008	US-20100081037	8,481,186	7/9/2013	Pending	BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE
VOLTAGE REGULATION FOR BATTERY POWERED ELECTRONICS							
UNITED STATES	62/013,606	6/18/2014	N/A	N/A	N/A	Lapsed	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
WIPO	PCT/US2015/036119	6/17/2015	WO 2015/195731	N/A	N/A	Lapsed	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS

TRADEMARK



Country	Serial No.	Filing Date	Publication No.	Patent No.	Issue Date	Status	Title of Application
UNITED STATES	15/317,988	12/12/2016	US-20170118558	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
AUSTRALIA	2015277295	11/17/2016	N/A	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
CANADA	2,950,302	11/24/2016	N/A	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
CHINA	201580032699.2	12/16/2016	CN 106463987 A	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
EUROPE	15/733037.4	11/25/2016	EP 3158618	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
HONG KONG	17107666.9	8/2/2017	1234209A	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
JAPAN	2016-573592	12/15/2016	2017-520187	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
MEXICO	MX/a/2016/015513	11/25/2016	MX/a/2016/015513	361274	12/3/2018	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVER-ZINC BATTERIES IN HEARING INSTRUMENTS
WEARABLE BATTERY CHARGING TECHNOLOGY FOR HEARING AID BATTERIES							
UNITED STATES	62/341,200	5/25/2016	N/A	N/A	N/A	Lapsed	WEARABLE BATTERY CHARGING TECHNOLOGY FOR RECHARGEABLE HEARING AID BATTERIES
WIPO	PCT/US2017/034392	5/25/2017	WO 2017/205575	N/A	N/A	Lapsed	WEARABLE BATTERY CHARGING TECHNOLOGY FOR RECHARGEABLE HEARING AID BATTERIES
UNITED STATES	16/303,241	11/20/2018	N/A	N/A	N/A	Pending	WEARABLE BATTERY CHARGING TECHNOLOGY FOR RECHARGEABLE HEARING AID BATTERIES



TRADEMARK

REEL: 006694 FRAME: 0680

EXHIBIT C

(See attached)

ZPOWER Trademark Schedule (as of 6/30/2019)						
Country	Mark	Goods/Services	Ref. No.	App. No.	App. Filing Date	Reg. No. Reg. Date
AUSTRALIA	ZPOWER	009 - Batteries	223310-333748	A1197086	9/4/2007	1197086 5/29/2008
BRAZIL	ZPOWER	009 - batteries	223310-334993	829351116	9/4/2007	829351116 8/21/2012
CANADA	ZPOWER	* - Batteries for use in hearing aids	223310-333723	1495470	9/10/2010	TMA871821 2/20/2014
CHINA		009 - Cameras (photography)	223310-333744	7979062	1/8/2010	7979062 6/14/2014
		009 - Photocopiers [photographic, electrostatic, thermic]; materials for electricity mains [wires, cables]; counters; apparatus to check stamping mail; false coin detectors; mechanisms for coin-operated apparatus; dictating machines; hemline markers; voting machines; electronic tags for goods; ermie; weighing apparatus and instruments; measures; mechanical signs; navigational instruments; video recorders; cameras [photography]; measuring apparatus; optical goods; semi-conductors; integrated circuits; video screens; optical fibers [fibres] [light conducting filaments]; lightning arresters; electrolyzers; fire extinguishing apparatus; radiological apparatus for industrial purposes; protection devices for personal use against accidents; eyeglasses; films, exposed; egg-candlers; dog whistles; decorative magnets; electrified fences; remote control car arresters [portable]; socks, electrically heated.				
CHINA	ZPOWER		223310-363003	15803611a	11/27/2014	15803611a 2/21/2016
CHINA	ZPOWER	09 - Batteries, electric; battery chargers	223310-366635	15803611b	11/27/2014	15803611b 3/21/2017
DENMARK	ZPOWER	009 - Batteries, batteries for hearing aids	223310-333725	VA 000689 2011	3/7/2011	VR 000930 2011 4/8/2011
DENMARK		009 - Batteries, batteries for hearing aids	223310-333726	VA 000691 2011	3/7/2011	VR 000931 2011 4/8/2011

EUROPEAN UNION (EUTM & RCD)		<p>9 - Batteries for mobile electronics, medical devices and hearing aids.</p> <p>40 - Custom and contract manufacturing and assembly services for others in the field of batteries; charging, re-charging and regenerating batteries; recycling of batteries; advisory, consultancy and information services relating to all the aforesaid services.</p> <p>42 - Research, design, development, testing, upgrading, engineering, performance testing, fault diagnosis and product improvement services, all relating to batteries and their casings, terminals and charging; technological consulting services; technical co-operation advisory services to manufacturers of mobile phones and other portable electronic equipment; maintenance and updating of technical support websites and website portals; advisory, consultancy and information services relating to all the aforesaid services.</p>	223310-333740	009392234	9/21/2010	009392234	3/14/2013
EUROPEAN UNION (EUTM & RCD)		<p>9 - Batteries; battery casings and battery terminals; battery charging circuits; parts, fittings and component sub-assemblies for the aforesaid goods.</p> <p>40 - Custom and contract manufacturing and assembly services for others in the field of batteries; charging, re-charging and regenerating batteries; recycling of batteries; advisory, consultancy and information services relating to all the aforesaid services.</p> <p>42 - Research, design, development, testing, upgrading, engineering, performance testing, fault diagnosis and product improvement services, all relating to batteries and their casings, terminals and charging; technological consulting services; technical co-operation advisory services to manufacturers of mobile phones and other portable electronic equipment; maintenance and updating of technical support websites and website portals; advisory, consultancy and information services relating to all the aforesaid services.</p>	223310-333741	006248231	9/3/2007	006248231	8/19/2008
FINLAND	ZPOWER	009 - Batteries	223310-333727	200702663	9/3/2007	241344	2/15/2008
FRANCE	ZPOWER	009 - Batteries and battery for apparatuses acoustic	223310-333728	113811532	3/4/2011	113811532	
FRANCE		009 - Batteries and batteries; batteries and battery for apparatuses acoustic	223310-333730	113811536	3/4/2011	113811536	
FRANCE	ZPOWER	009 - Electric batteries	223310-333731	073522213	9/3/2007	073522213	9/3/2007

GERMANY	ZPOWER	009 - Battery for use in the hearing aids	223310-333732	302011007540.9	3/4/2011	302011007540	3/29/2011
GERMANY	ZPOWER	009 - Batteries; battery for us in the hearing aids	223310-333733	302011007542.5	3/4/2011	302011007542	3/29/2011
GERMANY	ZPOWER	009 - Batteries	223310-333734	30757733.3	9/3/2007	30757733	1/31/2008
ISRAEL	ZPOWER	009 - Batteries	223310-333743	203570	9/3/2007	203570	1/22/2009
JAPAN	ZPOWER	010 - Hearing aids and parts/fittings for hearing aids	223310-335463	2011020387	3/23/2011	5555383	2/8/2013
MALAYSIA	ZPOWER	009 - Batteries; all included in class 9	223310-333745	07017639	3/7/2007	07017639	3/7/2007
MEXICO	ZPOWER	009 - Batteries	223310-335468	880880	9/7/2007	1023838	2/18/2008
RUSSIA	ZPOWER	009 - Batteries	223310-335465	2007727357	9/4/2007	371910	2/10/2009
SINGAPORE	ZPOWER	009 - Batteries	223310-334992	T0718401B	9/7/2007	T0718401B	9/7/2007
SWEDEN	ZPOWER	009 - Batteries	223310-335467	2007/07171	9/3/2007	393427	1/4/2008
SWITZERLAND	ZPOWER	009 - Batteries; batteries for hearing aids for the deaf	223310-333735	52570/2011	3/3/2011	613017	3/11/2011
SWITZERLAND	ZPOWER	009 - Batteries; batteries for hearing aids for the deaf	223310-333736	52571/2011	3/3/2011	613027	3/11/2011
SWITZERLAND	ZPOWER	009 - Batteries; batteries for hearing aids for the deaf; rechargeable batteries; battery chargers; chargers for batteries for hearing aids for the deaf; chargers for rechargeable batteries	223310-366636	637132014	11/20/2014	669606	2/13/2015
TAIWAN	ZPOWER	009 - Batteries	223310-335466	096042751	9/6/2007	01318033	7/16/2008
UNITED KINGDOM	ZPOWER	009 - Batteries for use in hearing aids	223310-333737	2574452	3/8/2011	2574452	6/10/2011
UNITED KINGDOM	ZPOWER	009 - Batteries; battery casings and battery terminals; battery charging circuits; parts, fittings and component sub-assemblies for the aforesaid goods.	223310-333738	2574454	3/8/2011	2574454	6/10/2011
UNITED KINGDOM	ZPOWER	009 - Batteries; battery casings and battery terminals; battery charging circuits; parts, fittings and component sub-assemblies for the aforesaid goods.	223310-333739	2465828	9/3/2007	2465828	5/30/2008
UNITED STATES	ZPOWER	009 - Batteries for use in hearing aids	223310-333712	85/131,520	9/16/2010	4,354,333	6/18/2013
UNITED STATES	ZPOWER	009 - Batteries for use in hearing aids	223310-333714	85/131,566	9/16/2010	4,354,334	6/18/2013


UNITED STATES		009 - Batteries	223310-333715	77/248,360	8/6/2007	3,581,260	2/24/2009
UNITED STATES	ZPOWER	009 - Batteries	223310-333719	76/673,710	3/7/2007	3,462,875	7/8/2008

EXHIBIT D

None.