# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6124365

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT OF INTELLECTUAL PROPERTY SECURITY AGREEMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
MIDCAP FINANCIAL TRUST	05/21/2020

### **RECEIVING PARTY DATA**

Name:	Z BATTERY DIP LENDERS, LLC
Street Address:	809 WEST RIORDAN RD
Internal Address:	SUITE #100; PMB #106
City:	FLAGSTAFF
State/Country:	ARIZONA
Postal Code:	86001

### **PROPERTY NUMBERS Total: 31**

Property Type	Number
Application Number:	13707409
Application Number:	15125674
Application Number:	10810204
Application Number:	29317253
Application Number:	29317117
Application Number:	13126817
Application Number:	13504986
Application Number:	14477219
Application Number:	29530314
Application Number:	29530315
Application Number:	29530321
Application Number:	15317998
Application Number:	14230020
Application Number:	13885194
Application Number:	13882996
Application Number:	10021838
Application Number:	10021839
Application Number:	16169131
Application Number:	13825429
Application Number:	13825429

<u>PATENT</u>

REEL: 052768 FRAME: 0010

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Property Type	Number
Application Number:	15097739
Application Number:	09512917
Application Number:	14429846
Application Number:	13810003
Application Number:	14759666
Application Number:	16365368
Application Number:	15566764
Application Number:	12241719
Application Number:	12241871
Application Number:	12241653
Application Number:	15317988
Application Number:	16303241

### **CORRESPONDENCE DATA**

**Fax Number:** (214)954-6868

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:** 214-954-6861

Email:rfaulkner@mcslaw.comCorrespondent Name:RACHAEL FAULKNERAddress Line 1:500 N. AKARD, SUITE 2200Address Line 4:DALLAS, TEXAS 75201

NAME OF SUBMITTER:	RACHAEL FAULKNER
SIGNATURE:	/Rachael Faulkner/
DATE SIGNED:	05/27/2020

### **Total Attachments: 17**

source=ZPower IP Security Agreement Assignment (executed)#page1.tif source=ZPower IP Security Agreement Assignment (executed)#page2.tif source=ZPower IP Security Agreement Assignment (executed)#page3.tif source=ZPower IP Security Agreement Assignment (executed)#page4.tif source=ZPower IP Security Agreement Assignment (executed)#page5.tif source=ZPower IP Security Agreement Assignment (executed)#page6.tif source=ZPower IP Security Agreement Assignment (executed)#page7.tif source=ZPower IP Security Agreement Assignment (executed)#page8.tif source=ZPower IP Security Agreement Assignment (executed)#page9.tif source=ZPower IP Security Agreement Assignment (executed)#page10.tif source=ZPower IP Security Agreement Assignment (executed)#page11.tif source=ZPower IP Security Agreement Assignment (executed)#page12.tif source=ZPower IP Security Agreement Assignment (executed)#page13.tif source=ZPower IP Security Agreement Assignment (executed)#page14.tif source=ZPower IP Security Agreement Assignment (executed)#page15.tif source=ZPower IP Security Agreement Assignment (executed)#page16.tif

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# ASSIGNMENT OF INTELLECTUAL PROPERTY SECURITY AGREEMENT

This ASSIGNMENT OF INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "Assignment"), dated as of May 21, 2020, is by and between MIDCAP FINANCIAL TRUST, a Delaware statutory trust, (as the current and resigning administrative agent, the "Retiring Agent") and Z BATTERY DIP LENDERS, LLC, a Texas limited liability company (as the successor administrative agent, together with its successors and assigns, the "Successor Agent").

### RECITALS:

WHEREAS, ZPower, LLC, a Delaware limited liability company, as "Grantor" ("Grantor"), and Retiring Agent are parties to that certain Intellectual Property Security Agreement, dated as of January 18, 2018 and filed with the United States Patent and Trademark Office on January 22, 2018 at Reel 6254, Frame 0005 and Reel 044684, Frame 0631 (as supplemented by that certain Reaffirmation Agreement and Amendment to Intellectual Property Security Agreement, dated as of July 15, 2019, by and between Grantor and Retiring Agent and filed with the United States Patent and Trademark Office on July 16, 2019 at Reel 6694, Frame 0660 and Reel 049771, Frame 0358 and as further amended, restated, supplemented or otherwise modified from time to time, collectively, the "Agreement"), pursuant to which Grantor granted a security interest in and to and lien upon the intellectual property identified in Exhibit A (the "Subject IP"); and

WHEREAS, pursuant to that certain Assignment and Assumption Agreement, dated as of May 21, 2020, by and among Retiring Agent, as an assignor, the other assignors party thereto and Successor Agent, Retiring Agent has assigned to Successor Agent all of its rights, remedies, duties and other obligations under, among other documents, the Agreement and the Subject IP, in each instance, in its capacity as administrative agent.

**NOW, THEREFORE**, in consideration of the foregoing, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Retiring Agent herby assigns and transfers to Successor Agent and its successors and assigns, all of its rights, title and interest in and to the Agreement.

This Assignment may be executed in any number of counterparts, each of which when so executed shall be deemed an original and all of which taken together shall constitute one and the same instrument.

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MidCap / ZPower / IP Security Agreement Assignment \(\)DC - 036639/000062 - 15126368 **IN WITNESS WHEREOF**, Retiring Agent and Successor Agent have caused this Assignment to be duly executed as of the date first above written.

### **RETIRING AGENT:**

### MIDCAP FINANCIAL TRUST,

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

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

By:

Name: Maurice Amsellem
Title: Authorized Signatory

## **SUCCESSOR AGENT:**

Z BATTERY DIP LENDERS, LLC

Name: Marilyn L. Hayina

Title: Manager

# EXHIBIT A

[See attached.]

# **ZPower Patent Estate as of 6/30/2019**

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

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	ELECTRODE SEPARATOR	Lapsed	A/N	N/A	US-20110123850	09/22/2010	12/933,977	UNITED STATES
	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	1153041A	06/08/2011	11105749.0	HONG KONG
	ELECTRODE SEPARATOR	Pending	9/27/2017	6215078	2014-099413	02/03/2014	2014-018854	JAPAN
	ELECTRODE SEPARATOR	Pending	8/8/2014	5591220	2011-515821	09/27/2010	2011-501842	JAPAN
	ELECTRODE SEPARATOR	Pending	N/A	N/A	EP 2639855	03/18/2013	13159666.0	EURÓPE
	ELECTRODE SEPARATOR	Pending	(4/23/2014)	(EP 2272119)	(EP 2272119)	(10/27/2010)	(EP 09724542.7)	SWITZERLAND (w/ LI)
	ELECTRODE SEPARATOR	Pending	(4/23/2014)	(EP 2272119)	(EP 2272119)	(10/27/2010)	602009023462.5	GERMANY
	ELECTRODE SEPARATOR	Pending	7/7/2014	DK/EP 2272119	(EP 2272119)	(10/27/2010)	(EP 09724542.7)	DENMARK
	ELECTRODE SEPARATOR	Pending	4/23/2014	2272119	EP 2272119	10/27/2010	09724542.7	EUROPE
	ELECTRODE SEPARATOR	Pending	7/2/2014	ZL 200980116097.X	CN 102017232 A	11/04/2010	200980116097.X	CHINA
	ELECTRODE SEPARATOR	Pending	7/4/2017	2,719,223	N/A	09/22/2010	2,719,223	CANADA
	ELECTRODE SEPARATOR	Pending	5/8/2014	2009229167	2009229167	09/24/2010	2009229167	AUSTRALIA
	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	WO 2009/120382	03/27/2009	PCT/US2009/001946	WIPO
	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	N/A	03/27/2008	61/040,021	UNITED STATES
							PARATORS	CO-EXTRUDED SEPARATORS
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	9/11/2015	5806675	2013-510390	4/27/2012	2012-537205	JAPAN
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(6/8/2016)	(EP 2497138)	(EP 2497138)	(6/1/2012)	(EP 10776246.0)	SWITZERLAND
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(6/8/2016)	(EP 2497138)	(EP 2497138)	(6/1/2012)	602010033966.1	GERMANY
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(6/8/2016)	(EP 2497138)	(EP 2497138)	(6/1/2012)	(EP 10776246.0)	GREAT BRITTAIN
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(6/8/2016)	(EP 2497138)	(EP 2497138)	(6/1/2012)	(EP 10776246.0)	FRANCE
Dr	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	6/8/2016	2497138	EP 2497138	6/1/2012	10776246.0	EUROPE
===	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Lapsed	N/A	N/A	N/A	4/26/2012	2779090	CANADA
	ELECTRODES AND RECHARGEABLE BATTERIES	Pending	11/10/2015	9,184,444	US-20130071744	4/30/2012	13/504,986	UNITED STATES
250	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	11/21/2015	1509867	201128840	11/03/2010	099137837	TAIWAN
PA	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Lapsed	N/A	N/A	WO 2011/056813	11/03/2010	PCT/US2010/055204	WIPO
	NOVEL ELECTRODES AND RECHARGEABLE BATTERY	Lapsed	N/A	N/A	N/A	01/18/2010	61/295,882	UNITED STATES
	NOVEL ELECTRODES AND RECHARGEABLE BATTERY	Lapsed	N/A	N/A	N/A	11/03/2009	UNITED STATES 61/257,576 11/0	UNITED STATES
						CCELL	CONDARD SILVER ZINI	CATHODE FOR SE
	CATHODE ACTIVE MATERIAL (HIGHER OXIDES OF SILVER)	Pending	1/20/2015	8,936,775	US-20110286912	04/29/2011	13/126,817	UNITED STATES
- 0	CATHODE ACTIVE MATERIAL	Lapsed	N/A	N/A	WO 2010/051356	10/29/2009	PCT/US2009/062516	WIPO
	CATHODE ACTIVE MATERIAL	Lapsed	N/A	N/A	N/A	10/29/2008	61/109,312	UNITED STATES
							MATERIAL	CATHODE ACTIVE MATERIAL
	Title of Application	Status	Issue Date	Patent No.	Publication No.	Filing Date	Serial No.	Country

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A CATHODE COMPRISING DOPED SILVER POWDER AND USES OF SAME	Pending	N/A	N/A	N/A	09/27/2011	2757062	CANADA
IMPROVED CATHODE	Pending	10/16/2014	2010229828	2010229828	09/26/2011	2010229828	AUSTRALIA
CATHODE	Pending	12/8/2015	9,209,454	US-20140227591	03/31/2014	14/230,020	UNITED STATES
CATHODE	Lapsed	A/N	N/A	US-20120164526	09/23/2011	13/259,315	UNITED STATES
IMPROVED CATHODE	Lapsed	N/A	N/A	WO 2010/111567	03/26/2010	PCT/US2010/028772	WIPO
IMPROVED ALUMINUM DOPED CATHODE FOR BATTERY	Lapsed	A/N	N/A	N/A	03/27/2009	61/164,216	UNITED STATES
IMPROVED CATHODE FOR USE IN BATTERY	Lapsed	N/A	N/A	N/A	03/27/2009	61/164,080	UNITED STATES
						MATERIALS	DOPED CATHODE
HEARING AID BATTERY DOOR MODULE	Pending	10/11/2018	359820	MX/a/2016/015504	11/25/2016	MX/a/2016/015504	MEXICO
HEARING AID BATTERY DOOR MODULE	Pending	A/N	N/A	2017-521928	12/15/2016	2016-573578	JAPAN
HEARING AID BATTERY DOOR MODULE	Pending	A/N	N/A	1234568A	8/15/2017	17108118.1	HONG KONG
HEARING AID BATTERY DOOR MODULE	Pending	A/N	N/A	EP 3158777	12/19/2016	15795050.2	EUROPE
HEARING AID BATTERY DOOR MODULE	Pending	N/A	N/A	CN 106465026 A	12/16/2016	201580032661.5	CHINA
HEARING AID BATTERY DOOR MODULE	Pending	A/N	N/A	N/A	11/24/2016	2,950,303	CANADA
HEARING AID BATTERY DOOR MODULE	Pending	N/A	N/A	N/A	11/21/2016	2015277299	AUSTRALIA
HEARING AID BATTERY DOOR MODULE	Pending	8/21/2018	10,057,695	US-20170134869	12/12/2016	15/317,998	UNITED STATES
HEARING AID BATTERY DOOR MODULE	Lapsed	N/A	N/A	WO 2015/195735	6/17/2015	PCT/US2015/036128	WIPO
HEARING AID BATTERY DOOR MODULE	Lapsed	A/N	N/A	N/A	9/10/2014	62/048,465	UNITED STATES
VOLTAGE REGULATOR AND CONTROL CIRCUIT ZINC BATTERIES IN HEARING INSTRUMENTS	Lapsed	N/A	N/A	N/A	6/18/2014	UNITED STATES 62/013,606	UNITED STATES
						TERY DOOR MODILIE	HEADING AID BAT
HEARING AID BATTERY CHARGING BASE	Pending	6/20/2017	D789,884	N/A	6/16/2015	29/530,321	UNITED STATES
						TERY CHARGER	HEARING AID BATTERY CHARGER
HEARING AID BATTERY DOOR	Pending	5/31/2016	D757,945	N/A	6/16/2015	UNITED STATES 29/530,315	UNITED STATES
						TERY DOOR MODULE	GEN 2 DESIGN BAT
HEARING AID BATTERY DOOR	Pending	5/31/2016	D757,944	N/A	6/16/2015	UNITED STATES 29/530,314	UNITED STATES
						TERY DOOR MODULE	GEN 1 DESIGN BAT
POLYMER COATINGS FOR METAL SURFACES	Lapsed	N/A	N/A	US-20160329534	7/13/2016	15/111,196	UNITED STATES
POLYMER COATINGS FOR METAL SURFACES	Lapsed	N/A	N/A	WO 2015/108830	1/13/2015	PCT/US2015/011087	WIPO
POLYMER COATINGS FOR METAL SURFACES	Lapsed	A/N	N/A	N/A	1/14/2014	61/927,006	UNITED STATES
						BATTERIES	COLOR BANDING F
ELECTRODE SEPARATOR	Pending	5/1/2018	9,960,399	US-20150028516	09/04/2014	14/477,219	UNITED STATES
Application	Ciarao	.0040					

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	WIRELESS CHARGING SYSTEMS AND METHODS	Pending	N/A	N/A	WO 2019/051026	9/6/2018	PCT/US2018/049665	WIPO
	WIRELESS CHARGING SYSTEMS AND METHODS	Lapsed	N/A	N/A	N/A	9/6/2017	62/554,710	UNITED STATES
					RGING	E WIRELESS CHAF	METHODS FOR PERFORMING MINIATURE WIRELESS CHARGING	METHODS FOR PE
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Lapsed	N/A	N/A	2013-545242	5/1/2013	2013-537772	JAPAN
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(12/20/2017)	(EP 2636089)	(EP 2636089)	(11/2/2011)	(EP 2636089)	SWITZERLAND
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(12/20/2017)	(EP 2636089)	(EP 2636089)	(11/2/2011)	(EP 2636089)	GREAT BRITTAIN
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(12/20/2017)	(EP 2636089)	(EP 2636089)	(11/2/2011)	602011044403.4	GERMANY
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(12/20/2017)	(EP 2636089)	(EP 2636089)	(11/2/2011)	(EP 2636089)	FRANCE
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	(12/20/2017)	(EP 2636089)	(EP 2636089)	(11/2/2011)	(EP 2636089)	DENMARK
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	12/20/2017	2636089	EP 2636089	5/2/2013	11784872.1	EUROPE
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Lapsed	N/A	N/A	N/A	4/29/2013	2,816,422	CANADA
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Pending	11/10/2015	9,184,440	US-20130230774	5/2/2013	13/882,996	UNITED STATES
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Lapsed	N/A	N/A	WO 2012/061449	11/2/2011	PCT/US2011/058877	WIPO
	NOVEL ELECTRODES AND RECHARGEABLE BATTERIES	Lapsed	N/A	N/A	N/A	11/3/2010	UNITED STATES 61/409,658 11/3/2010 N/A	UNITED STATES
					TABILIZERS	NANOMATERIAL S	IDE CATHODES WITH	MANGANESE DIO
	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE	Pending	(8/31/2016)	(EP 2641293)	(EP 2641293)	(6/17/2013)	602011029907.7	GERMANY
	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE	Pending	(8/31/2016)	(EP 2641293)	(EP 2641293)	(6/17/2013)	(EP 11791684.1)	GREAT BRITTAIN
	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE	Pending	(8/31/2016)	(EP 2641293)	(EP 2641293)	(6/17/2013)	(EP 11791684.1)	FRANCE
	SILVER/ZINC RECHARGEABLE BATTERIES	Pending	8/31/2016	2641293	EP 2641293	6/17/2013	11791684.1	EUROPE
	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE	Pending	4/25/2017	9,634,359	US-20130244101	5/14/2013	13/885,194	UNITED STATES
PAT	ELECTROLYTE FOR ZINC-BASED RECHARGEABLE BATTERIES, METHOD FOR PRODUCING THE SAME AND BATTERIES INCLUDING SAID ELECTROLYTE	Lapsed	N/A	N/A	WO 2012/067977	11/14/2011	PCT/US2011/060511	WIPO
ENT	POLYMER PLASTICIZERS FOR SEPARATORS	Lapsed	N/A	N/A	N/A	11/15/2010	INDUSTRIAL BATTERY ELECTROLYTE UNITED STATES 61/413,523	UNITED STATES
	IMPROVED CATHODE	Pending	10/31/2014	5638058	2012-522336	09/26/2011	2012-502275	JAPAN
	IMPROVED CATHODE	Pending	(2/7/2018)	(EP2411563)	(EP2411563)	(10/27/2011)	(EP 10756896.6)	GREAT BRITTAIN
	IMPROVED CATHODE	Pending	(2/7/2018)	(EP2411563)	(EP2411563)	(10/27/2011)	602010048407.6	GERMANY
	IMPROVED CATHODE	Pending	(2/7/2018)	(EP2411563)	(EP2411563)	(10/27/2011)	(EP 10756896.6)	FRANCE
	Title of Application	Status	Issue Date	Patent No.	Publication No.	Filing Date	Serial No.	Country

	FRANCE	GERMANY	EUROPE	DENMARK	CHINA	AUSTRALIA	UNITED STATES	MULTIPLE PLATEA AND SYSTEM TO C	WIPO	SINGAPORE	SOUTH KOREA	JAPAN	GREAT BRITTAIN	GERMANY	FRANCE	EUROPE	DENMARK	CHINA	AUSTRALIA	UNITED STATES	MULTIPLE PLATEA	WIPO	UNITED STATES	MINIATURE WIREL	Country
	02795776.0	DE2002197088T	02795776.0	PA200400204	02815543.2	2002360515	10/021,839	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	PCT/US2002/039153	200401444-5	10-2004-700079	2003-567151	0329423.8	2002197404T	02790050.5	02790050.5	PA200400876	02816170.X	2002353075	10/021,838	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FILL I Y CHARGE THE FIRST PLATEAL	PCT/US2018/049658	62/554,684	MINIATURE WIRELESS CHARGING TECHNOLOGY	Serial No.
	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/14/2001	NG METHOD	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/06/2002	12/14/2001	IRST PLATEALL	9/6/2018	9/6/2017	INOLOGY	Filing Date
	N/A	10297088	1466380	200400204	CN 1539177 A	N/A	N/A		WO 2003/061052	N/A	2004-0066085	2005-517279	2392790	10297404T	N/A	EP 1454375	200400876	CN 1543687 A	N/A	N/A		WO 2019/051022	N/A		Publication No.
5	N/A	N/A	N/A	N/A	ZL02815543.2	N/A	6,522,102		N/A	103577	N/A	N/A	2392790 B	N/A	N/A	N/A	N/A	ZL02816170.X	N/A	6,459,243		N/A	N/A		Patent No.
	N/A	N/A	N/A	N/A	8/16/2006	N/A	02/18/2003		N/A	4/30/2007	N/A	N/A	8/3/2005	N/A	N/A	N/A	N/A	07/12/2006	N/A	10/01/2002		N/A	N/A		Issue Date
	Lapsed	Lapsed	Lapsed	Lapsed	Lapsed	Lapsed	Pending		Lapsed	Lapsed	Lapsed	Pending		Pending	Lapsed		Status								
	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO CHARGE TO THE SECOND PLATEAU		MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU		D AND	MULTIPLE PLATEAU BATTERY CHARGING METHOD AND SYSTEM TO FULLY CHARGE THE FIRST PLATEAU	-	WIRELESS POWER TRANSMITTER ASSEMBLY AND RELATED METHODS	WIRELESS POWER TRANSMITTER ASSEMBLY AND RELATED METHODS		Title of Application

Country   Shriak No.   Finiag Data   Paulication No.   Pauli Cate   Saus   Application				6				
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         N/A         Lapsed           2007         N/A         N/A         N/A         N/A         Lapsed           010         N/A         N/A         N/A         N/A         Lapsed           011         WO 2012/037426         N/A         N/A         N/A         Lapsed           013         US-20130266872         N/A         N/A         N/A         Lapsed           014         N/A         N/A         N/A         <	IMPROVED ELECTRODES	Lapsed	N/A	N/A	WO 2009/120352	03/27/2009	PCT/US2009/001888	WIPO
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2004:065997         N/A         N/A         Lapsed           2002         2004:0065997         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2003         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         Lapsed           2011         N/A         N/A         N/A         N/A         Lapsed           2013         N/A         N/A         N/A	ELECTRODES AND ELECT	Lapsed	N/A	N/A	N/A	03/27/2008	61/039,963	UNITED STATES
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         20040065997         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2007         N/A         N/A         N/A         Lapsed           010         N/A         N/A         N/A         Lapsed           010         N/A         N/A         N/A         Lapsed           011         N/A         N/A         N/A         Lapsed           011         N/A         N/A         N/A         Lapsed           013         EP 2617036176         N/A         N/A         N/A         Lapsed           013							ERIAL	PVDF BINDER MATERIAL
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         20040065997         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2003         N/A         N/A         N/A         Lapsed           1010         N/A         N/A         N/A         Lapsed           011         N/A         N/A         N/A         Lapsed           013         US-20130266872         N/A         N/A         N/A         Lapsed           013         N/A         N/A         N/A	CATHODE	Lapsed	N/A	N/A	2013-541815	3/21/2013	2013-530250	JAPAN
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2003         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         Lapsed           2013         N/A         N/A         N/A         N/A         Pending           2013         N/A         N/A	CATHODE	Pending	(6/8/2016)	(EP 2619830)	(EP 2619830)	(8/12/2016)	(EP 2619830)	GERMANY
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         Lapsed           011         WO 2012/037426         N/A         N/A         N/A         Lapsed           013         EP 2617084         N/A         N/A         N/A         Pending	CATHODE	Pending	(6/8/2016)	(EP 2619830)	(EP 2619830)	(8/12/2016)	602011027293.4	GREAT BRITTAIN
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         WO 2003/052859         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         N/A         Lapsed           010         N/A         N/A         N/A         Lapsed           011         WO 2012/037426         N/A         N/A         N/A         Lapsed           013         EP 2617084         N/A         N/A         N/A         Pending <td< td=""><td>CATHODE</td><td>Pending</td><td>(6/8/2016)</td><td>(EP 2619830)</td><td>(EP 2619830)</td><td>(8/12/2016)</td><td>(EP 2619830)</td><td>FRANCE</td></td<>	CATHODE	Pending	(6/8/2016)	(EP 2619830)	(EP 2619830)	(8/12/2016)	(EP 2619830)	FRANCE
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         WO 2003/052859         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2007         N/A         N/A         N/A         Lapsed           010         N/A         N/A         N/A         Lapsed           011         WO 2012/037426         N/A         N/A         N/A         Lapsed           013         US-20130268872         N/A         N/A         N/A         Pending           013         EP 2617084         N/A         N/A         N/A	CATHODE	Pending	6/8/2016	2619830	EP 2619830	3/13/2013	11764058.1	EUROPE
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2007         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         Lapsed           2013         US-20130237426         N/A         N/A         N/A         Pending	DOPED SILVER CATHODE	Pending	3/5/2019	2,812,180	N/A	3/15/2013	2,812,180	CANADA
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         Lapsed           011         WO 2012/037426         N/A         N/A         N/A         Lapsed           013         EP 2617084         N/A         N/A         N/A         Pending           013	CATHODE	Pending	7/26/2016	9,401,509	US-20130216901	3/21/2013	13/825,429	UNITED STATES
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         N/A         Lapsed           2002         N/A         103581         10/29/2004         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         N/A         Lapsed           010         N/A         N/A         N/A         N/A         Lapsed           011         WO 2012/037426         N/A         N/A         N/A         Pending           013         EP 2617084         N/A         N/A	CATHODE	Lapsed	N/A	N/A	WO 2012/040298	09/21/2011	PCT/US2011/052504	WIPO
Date         Publication No.         Patent No.         Issue Date         Status           2002         2391106         2391106         04/06/2005         Lapsed           2002         2005-513980         N/A         N/A         Lapsed           2002         20040065997         N/A         N/A         Lapsed           2002         N/A         10/29/2004         Lapsed           2002         N/A         10/29/2004         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         N/A         N/A         N/A         Lapsed           2002         WO 2003/052859         N/A         N/A         N/A         Lapsed           2004         N/A         N/A         N/A         Lapsed           2007         N/A         N/A         N/A         Lapsed           2010         N/A         N/A         N/A         Lapsed           2011         WO 2012/037426         N/A         N/A         N/A         Lapsed           2012/037426         N/A         N/A         N/A         Pending           20	CATHODE	Lapsed	N/A	N/A	N/A	09/24/2010	61/386,194	UNITED STATES
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Pending  N/A Pending  N/A Pending  N/A Lapsed  N/A Pending						ATHODES	PANTS FOR SILVER CA	PENTAVALENT DO
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Pending  N/A Pending  N/A Pending	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	2013-537360	3/14/2013	2013-529352	JAPAN
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Pending  N/A Pending	ELECTRODE SEPARATOR	Pending	N/A	N/A	EP 2717350	11/4/2013	13191477.2	EUROPE
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Pending	ELECTRODE SEPARATOR	Pending	N/A	N/A	EP 2617084	3/15/2013	11760953.7	EUROPE
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Lapsed	ELECTRODE SEPARATOR	Pending	N/A	N/A	(WO 2012/037426)	3/8/2013	2811007	CANADA
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Lapsed	ELECTRODE SEPARATOR	Pending	N/A	N/A	US-2019-0058176	10/24/2018	16/169,131	UNITED STATES
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Lapsed	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	US-20130266872	3/14/2013	13/823,286	UNITED STATES
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Lapsed	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	WO 2012/037426	9/16/2011	PCT/US2011/051864	WIPO
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Lapsed  N/A Lapsed  N/A Lapsed  N/A Lapsed  N/A Lapsed  N/A Lapsed  POLYMER SEPARATOR FC  N/A Lapsed	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	N/A	9/16/2010	61/383,553	UNITED STATES
Issue Date Status  04/06/2005 Lapsed  N/A Lapsed  10/29/2004 Lapsed  N/A Lapsed  N/A Lapsed  N/A Lapsed  POLYMER SEPARATOR FC	ELECTRODE SEPARATOR	Lapsed	N/A	N/A	N/A	9/16/2010	61/383,519	UNITED STATES
Filing Date         Publication No.         Patent No.         Issue Date         Status           12/06/2002         2391106         2391106         04/06/2005         Lapsed           12/06/2002         2005-513980         N/A         N/A         N/A         Lapsed           12/06/2002         20040065997         N/A         N/A         Lapsed           12/06/2002         N/A         10/29/2004         Lapsed           12/06/2002         WO 2003/052859         N/A         N/A         N/A         Lapsed           11/30/2004         N/A         N/A         N/A         Lapsed	)R SILVER-ZINC BATTERIE ELECTRODE SEPARATORS	ARATOR F	OLYMER SEP,	ECHNOLOGY/ABS F	PVDF SEPARATOR T	ILIZED ZIRCONIA/ 9/16/2010	61/383,595	PE BARRIER FILMS UNITED STATES
Filing Date         Publication No.         Patent No.         Issue Date         Status           12/06/2002         2391106         2391106         04/06/2005         Lapsed           12/06/2002         2005-513980         N/A         N/A         N/A         Lapsed           12/06/2002         20040065997         N/A         N/A         Lapsed           12/06/2002         N/A         10/29/2004         Lapsed           12/06/2002         N/A         10/3581         10/29/2004         Lapsed           12/06/2002         WO 2003/052859         N/A         N/A         N/A         Lapsed	MULTIPLE PLATEAU BATTE SYSTEM TO CHARGE TO T	Lapsed	N/A	N/A	N/A	11/30/2004	04109424.3	HONG KONG
Filing Date         Publication No.         Patent No.         Issue Date         Status           12/06/2002         2391106         2391106         04/06/2005         Lapsed           12/06/2002         2005-513980         N/A         N/A         N/A         Lapsed           12/06/2002         20040065997         N/A         N/A         Lapsed           12/06/2002         N/A         10/29/2004         Lapsed	MULTIPLE PLATEAU BATTI	Lapsed	N/A	N/A	WO 2003/052859	12/06/2002	PCT/US2002/039154	WIPO
Filing Date         Publication No.         Patent No.         Issue Date         Status           12/06/2002         2391106         2391106         04/06/2005         Lapsed           12/06/2002         2005-513980         N/A         N/A         N/A         Lapsed           12/06/2002         20040065997         N/A         N/A         N/A         Lapsed	MULTIPLE PLATEAU BATT	Lapsed	10/29/2004	103581	N/A	12/06/2002	200401451-0	SINGAPORE
Filing Date         Publication No.         Patent No.         Issue Date         Status           12/06/2002         2391106         2391106         04/06/2005         Lapsed           12/06/2002         2005-513980         N/A         N/A         Lapsed	MULTIPLE PLATEAU BATT SYSTEM TO CHARGE TO 1	Lapsed	N/A	N/A	20040065997	12/06/2002	10-2003-7016384	SOUTH KOREA
Filing Date         Publication No.         Patent No.         Issue Date         Status           12/06/2002         2391106         2391106         04/06/2005         Lapsed	MULTIPLE PLATEAU BATTI SYSTEM TO CHARGE TO T	Lapsed	N/A	N/A	2005-513980	12/06/2002	2003-553651	JAPAN
Filing Date Publication No. Patent No. Issue Date Status	MULTIPLE PLATEAU BATT SYSTEM TO CHARGE TO 1	Lapsed	04/06/2005	2391106	2391106	12/06/2002	327860.3	GREAT BRITTAIN
	A	Status	Issue Date	Patent No.	Publication No.	Filing Date	Serial No.	Country

METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	6/17/2016	5950909	2013-537792	1/10/2013	2013-519851	JAPAN
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	(10/3/2018)	(EP 2594006)	(EP 2594006)	(1/15/2013)	(EP 11739230.8)	GREAT
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	(10/3/2018)	(EP 2594006)	(EP 2594006)	(1/15/2013)	(EP 11739230.8)	DENMARK
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	(10/3/2018)	(EP 2594006)	(EP 2594006)	(1/15/2013)	(EP 11739230.8)	GERMANY
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	(10/3/2018)	(EP 2594006)	(EP 2594006)	(1/15/2013)	(EP 11739230.8)	FRANCE
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	(10/3/2018)	(EP 2594006)	(EP 2594006)	(1/15/2013)	(EP 11739230.8)	SWITZERLAND
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	10/3/2018	2594006	EP 2594006	1/15/2013	11739230.8	EUROPE
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	1/19/2016	9,240,696	US-20130207618	1/14/2013	13/810,003	UNITED STATES
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Pending	6/1/2016	1536702	201230592	7/14/2011	100124999	TAIWAN
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Lapsed	N/A	N/A	WO 2012/009652	7/15/2011	PCT/US2011/044212	WIPO
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Lapsed	N/A	N/A	N/A	11/24/2010	61/417,037	UNITED STATES
METHOD AND APPARATUS FOR RECHARGING A BATTERY	Lapsed	N/A	N/A	N/A	7/15/2010	61/364,563	UNITED STATES
				UTTON CELL	NG SILVER-ZINC B	SYSTEM AND METHOD FOR RE-CHARGING SILVER-ZINC BUTTON CELL (FAMILY 1)	SYSTEM AND MET
CATHODE	Pending	(6/14/2017)	(EP 2901516)	(EP 2901516)	(9/26/2013)	(EP 13773554.4)	SWITZERLAND
CATHODE	Pending	(6/14/2017)	(EP 2901516)	(EP 2901516)	(9/26/2013)	(EP 13773554.4)	GREAT BRITTAIN
CATHODE	Pending	(6/14/2017)	(EP 2901516)	(EP 2901516)	(9/26/2013)	602013022301.7	GERMANY
CATHODE	Pending	(6/14/2017)	(EP 2901516)	(EP 2901516)	(9/26/2013)	(EP 13773554.4)	FRANCE
CATHODE	Pending	(6/14/2017)	(EP 2901516)	(EP 2901516)	(9/26/2013)	(EP 13773554.4)	DENMARK
CATHODE	Pending	6/14/2017	2901516	EP 2901516	4/27/2015	13773554.4	EUROPE
CATHODE	Pending	N/A	N/A	(WO 2014/052533)	3/25/2015	2886154	CANADA
CATHODE WITH SILVER MATERIAL AND SILICATE DOPANT AND METHOD OF PRODUCING	Pending	10/24/2017	9,799,886	US-20150249249	3/20/2015	14/429,846	UNITED STATES
CATHODE	Lapsed	N/A	N/A	WO 2014/052533	9/26/2013	PCT/US2013/061834	WIPO
CATHODE	Lapsed	N/A	N/A	N/A	<b>:S</b> 9/27/2012	61/706,170	SILICA DOPANTS
	Pending	4/16/2002	6,372,379	N/A	2/25/2000	09/512,917	UNITED STATES
			IES	HLVER ZINC BATTER	EPARATOR FOR S stems, Inc.)	MICROPOROUS MEMBRANE BATTERY SEPARATOR FOR SILVER ZINC BATTERIES (Purchased from Advanced Membrane Systems, Inc.)	MICROPOROUS M (Purchased from A
DES AND ELECTROCHEMICAL CELLS EMPLOYING	Pending	N/A	N/A	US-20160301077	4/13/2016	15/097,739	UNITED STATES
CAL CELLS EMPLOYING	Lapsed	N/A	N/A	US-20110262803	9/24/2010	12/934,283	UNITED STATES
I rtle of Application	Status	Issue Date	Patent No.	Publication No.	Filing Date	Serial No.	Country
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	ZING BATTERIES IN HEARING INSTRUMENTS	Lapveu	\$ \$			0/10/2011	02/010,000	ONITE
	3	-	NI/A	NI.A		OWERED ELECTR	VOLTAGE REGULATION FOR BATTERY POWERED ELECTRONICS	VOLTAGE REGULA
	SERVICE LIFE		7010	0,401,100	000000	0,00,00	12/241,000	0
	BATTEBY MANAGEMENT FOR ORTHWITING BATTEBY AND	Donding	2 FUG/0/2	0 /01 106	75019000106 311	Lenovo, Inc.)	US 3,481,186: BAT I EHY MANAGEMENT I TOH OF IMINIZING BATTERY AND SERVICE LIFE (Co-Owner: Lenovo, inc.)  10/241 652  0/20/2008	BATTERY AND SER
	BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE	Pending	8/14/2012	8,244,312	US-20100083008	9/30/2008	12/241,871	UNITED STATES
						OR OPTIMIZING Lenovo, Inc.)	US 8,244,312: BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE (Co-Owner: Lenovo, Inc.)	US 8,244,312: BATT BATTERY AND SER
	BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE	Pending	10/4/2011	8,030,899	US-20100079113	9/30/2008	12/241,719	UNITED STATES
						OR OPTIMIZING Lenovo, Inc.)	US 8,030,899: BATTERY MANAGEMENT FOR OPTIMIZING BATTERY AND SERVICE LIFE (Co-Owner: Lenovo, Inc.)	US 8,030,899: BATT BATTERY AND SER
	BATTERY CHARGING METHOD AND SYSTEM DEPENDING ON AMBIENT TEMPERATURE	Pending	N/A	N/A	WO 2018/226571	6/4/2018	PCT/US2018/035828	WIPO
	BATTERY CHARGING METHOD AND SYSTEM	Lapsed	N/A	N/A	N/A	6/5/2017	62/515,061	UNITED STATES
						GORITHM FOR	TEMPERATURE DEPENDENT CHARGE ALGORITHM FOR BATTERY DOOR MODULES	TEMPERATURE DEPENDEN
	TEMPERATURE DEPENDENT CHARGE ALGORITHM	Pending	N/A	N/A	EP 3289663	10/25/2017	16723201.6	EUROPE
	TEMPERATURE DEPENDENT CHARGE ALGORITHM	Pending	N/A	N/A	N/A	10/16/2017	2,983,019	CANADA
	TEMPERATURE DEPENDENT CHARGE ALGORITHM	Pending	N/A	N/A	N/A	10/12/2017	2016255067	AUSTRALIA
	TEMPERATURE DEPENDENT CHARGE ALGORITHM	Pending	N/A	N/A	US-20180123369	10/16/2017	15/566,764	UNITED STATES
	TEMPERATURE DEPENDENT CHARGE ALGORITHM	Lapsed	N/A	N/A	WO 2016/176236	4/27/2016	PCT/US2016/029414	WIPO
	TEMPERATURE DEPENDENT CHARGE ALGORITHM	Lapsed	N/A	N/A	N/A	4/29/2015	62/154,206	UNITED STATES
ı						GORITHM	TEMPERATURE DEPENDENT CHARGE ALGORITHM FOR AG-ZN BATTERIES	TEMPERATURE DEPENI
	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Pending	N/A	N/A	EP 2944007	8/6/2015	14702150.5	EUROPE
	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Pending	N/A	N/A	105027381	9/7/2015	201480012825.3	CHINA
PAT	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Pending	N/A	N/A	(WO 2014/110477)	7/2/2015	2,897,054	CANADA
	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Pending	8/9/2018	2014205149	2014205149	7/1/2015	2014205149	AUSTRALIA
	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Pending	N/A	N/A	N/A	3/26/2019	16/365,368	UNITED STATES
	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Pending	5/14/2019	10,291,051	US-20150357859	7/8/2015	14/759,666	UNITED STATES
	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Lapsed	N/A	N/A	WO 2014/110477	1/13/2014	PCT/US2014/011214	WIPO
00	METHODS AND SYSTEMS FOR RECHARGING A BATTERY	Lapsed	N/A	N/A	N/A	1/11/2013	61/751,566	UNITED STATES
					UTTON CELL	G SILVER-ZINC B	SYSTEM AND METHOD FOR RE-CHARGING SILVER-ZINC BUTTON CELL (FAMILY 2)	SYSTEM AND MET (FAMILY 2)
	Title of Application	Status	Issue Date	Patent No.	Publication No.	Filing Date	Serial No.	Country

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 NOTICE BATTERIES IN HEARING INSTRUMENTS
EUROPE	15733037.4	11/25/2016	EP 3158618	N/A	N/A	Pending	VOLTAGE REGULATOR AND CONTROL CIRCUIT FOR SILVEREZINC 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 CHARGI FOR HEARING AID BATTERIES	WEARABLE BATTERY CHARGING TECHNOLOGY FOR HEARING AID BATTERIES	NOLOGY					
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

Carrie	Wark	ZPOWER Trademark Schedule (as of 6/30/2019)	le (as of $6/30/2019$ )	A THE NO	Assa Filling Data	Dag No	Dog Data
Country	Matri	009 - Batteries	Note No.	App. No.	App. Finng Date	Mcg. INO.	Neg. Date
AUSTRALIA	ZPOWER		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	Zmwar	009 - Cameras (photography)	223310-333744	7979062	1/8/2010	7979062	6/14/2014
CHINA	ZPOWER	static, thermic]; materials ters; apparatus to check nanisms for coin-operated narkers; voting machines; apparatus and; navigational notography]; measuring s; integrated circuits; t conducting filaments]; t conducting filaments]; nguishing apparatus; oses; protection devices is electrified fences; electrified fences; cks, electrically heated.	223310-363003	15803611a	11/27/2014	15803611a	2/21/2016
CHINA	ZPOWER	ls .	223310-366635	15803611b	11/27/2014	15803611b	3/21/2017
DENMARK	ZPOWER		223310-333725	VA 000689 2011	3/7/2011	VR 000930 2011	4/8/2011
DENMARK	Z	009 - Batteries, batteries for hearing aids	223310-333726	VA 000691 2011	3/7/2011	VR 000931 2011	4/8/2011

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FRANCE	FRANCE	FRANCE	FINLAND	EUROPEAN UNION	EUROPEAN UNION (EUTM & RCD)
ZPOWER	Zpawar	ZPOWER	ZPOWER	ZPOWER	
009 - Electric batteries	009 - Batteries and batteries; batteries and battery for apparatuses acoustic	009 - Batteries and battery for apparatuses acoustic	009 - Batteries	9 - Batteries; battery casings and battery terminals; battery charging circuits; parts, fittings and component sub-assemblies for the aforesaid goods.  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.  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.	9 - Batteries for mobile electronics, medical devices and hearing aids.  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.  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.
223310-333731	223310-333730	223310-333728	223310-333727	223310-333741	223310-333740
073522213	113811536	113811532	200702663	006248231	009392234
9/3/2007	3/4/2011	3/4/2011	9/3/2007	9/3/2007	9/21/2010
073522213	113811536	113811532	241344	006248231	009392234
9/3/2007			2/15/2008	8/19/2008	3/14/2013

				-			
GERMANY	ZPOWER	009 - Battery for use in the hearing aids	223310-333732	302011007540.9	3/4/2011	302011007540	3/29/2011
GERMANY	smod Z	009 - Batteries; battery for us in the hearing aids	223310-333733	302011007542.5	3/4/2011	302011007542	3/29/2011
·	ZPOWER	009 - Batteries	223310-333734	30757733.3	9/3/2007		1/31/2008
	ZPOWER	009 - Batteries	223310-333743	203570		203570	1/22/2009
	ZPOWER	010 - Hearing aids and parts/fittings for hearing aids	223310-335463	2011020387	1	•	2/8/2013
ASIA	ZPOWER	009 - Batteries; all included in class 9	223310-333745	07017639	3/7/2007	9	3/7/2007
MEXICO	ZPOWER	009 - Batteries	223310-335468	880880	9/7/2007		2/18/2008
	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	<b>Z</b>	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
		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					
SWITZERLAND	ZPOWER ZPOWER	009 - Batteries	223310-366636	096042751	9/6/2007	01318033	2/13/2015
KINGDOM	ZPOWER	009 - Batteries for use in hearing aids	223310-333737	2574452	3/8/2011		6/10/2011
	BARRETZ.	009 - Batteries; battery casings and battery terminals; battery charging circuits; parts, fittings and component sub-assemblies for the aforesaid goods.			2/0/2011		100011
		009 - Batteries; battery casings and battery terminals; battery charging circuits; parts, fittings and component sub-assemblies for the aforesaid goods.					
	ZPOWER	009 - Batteries for use in hearing aids	223310-333712	85/131,520	9/16/2010	3	6/18/2013
UNITED STATES	<b>Z</b> 1011/01	009 - Batteries for use in hearing aids	223310-333714	85/131,566	9/16/2010	4,354,334	6/18/2013

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

**RECORDED: 05/27/2020**