

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4210506

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)		
CONVEYING PARTY DATA			
Name			Execution Date
A123 SYSTEMS, INC.			01/29/2013
RECEIVING PARTY DATA			
Name:	WANXIANG CLEAN ENERGY USA ACQUISITION LLC		
Street Address:	39000 SEVEN MILE RD.		
City:	LIVONIA		
State/Country:	MICHIGAN		
Postal Code:	48152		
PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	13877244		
CORRESPONDENCE DATA			
Fax Number:	(503)459-4142		
<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:	503-459-4141		
Email:	cooney@ahmrt.com		
Correspondent Name:	ALLEMAN HALL MCCOY RUSSELL & TUTTLE LLP		
Address Line 1:	806 SW BROADWAY		
Address Line 2:	SUITE 600		
Address Line 4:	PORTLAND, OREGON 97205		
ATTORNEY DOCKET NUMBER:	A12310317PCTUS		
NAME OF SUBMITTER:	HANNAH COONEY		
SIGNATURE:	/Hannah Cooney/		
DATE SIGNED:	01/04/2017		
Total Attachments: 21			
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT ("Assignment") dated as of January 29, 2013 (the "Effective Date") by and between A123 Systems, Inc., a Delaware corporation ("Assignor"), and Wanxiang Clean Energy USA Acquisition LLC, a Delaware limited liability company ("Assignee").

WITNESSETH:

WHEREAS Assignor and Assignee and certain other parties have entered into an Asset Purchase Agreement, dated December 11, 2012 (hereinafter the "APA"), pursuant to which Assignor has agreed to sell, and Assignee has agreed to purchase, certain Assets of Assignor, including, without limitation, the patents, patent applications and provisional patent applications identified and set forth on Schedule A attached hereto (such patents, patent applications and provisional patent applications, the "Assigned Patents"); and

WHEREAS, pursuant to the APA, Assignor wishes to assign to Assignee, and Assignee wishes to acquire from Assignor, all of its worldwide right, title and interest in and to the Assigned Patents. Terms capitalized but not defined herein shall have the definitions given to them in the APA.

NOW, THEREFORE, for the foregoing recited consideration and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby assign, sell and transfer to Assignee all of its right, title and interest throughout the world (free and clear of any and all Encumbrances other than Permitted Encumbrances) in and to the Assigned Patents, including any continuations, continuations-in-part, divisions, renewals, reissues and extensions thereof, together with all claims for damages by reason of past infringement thereof, with the right to sue for, and collect the same for Assignee's own use and benefit. Assignor does further consent to the recordation of this Assignment by Assignee with the Commissioner of Patents and Trademarks or other comparable Governmental Authority.

IN WITNESS WHEREOF, Assignor and Assignee have caused this instrument to be executed by their respective duly authorized representative as of the Effective Date.

Signature Pages Follow.

ASSIGNOR:

A123 SYSTEMS, INC.

By: 

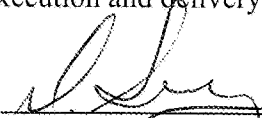
Name: David Prystash

Title: Chief Financial Officer

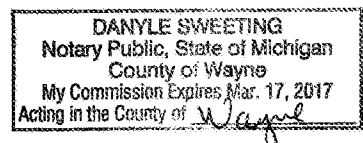
STATE OF MI)
)
COUNTY OF Wayne)

ss.:

On this 15th day of January, 2013, before me, the undersigned, a notary public in and for said state and county, personally appeared David Prystash, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of A123 Systems, as the Chief Financial Officer of such company and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.


Notary Public

(Affix Seal Below)



[Signature Page to Assignment of Patents]

PATENT
REEL: 041249 FRAME: 0861

ASSIGNEE:

WANXIANG CLEAN ENERGY USA
ACQUISITION LLC

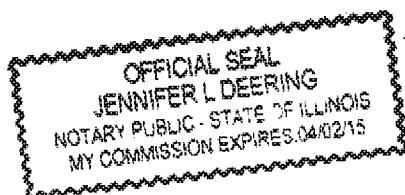
By: Daniel
Name: Daniel (Gang) Li
Title: Vice President and Assistant Secretary

STATE OF Illinois
COUNTY OF Cook ss.:

On this 17th day of January 2013, before me, the undersigned, a notary public in and for said state and county, personally appeared Daniel (Gang) Li, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of Wanxiang Clean Energy as the VP/Asst's Secretary of such company and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

Jennifer L Deering
Notary Public

(Affix Seal Below)



[Signature Page to Assignment of Patents]

Schedule A

Assigned Patents

A123 Case Number	SubCase	Country	Owner	Status	Case Type	App. No.	Filing Date	Pat. No.	Pat. Date	Apptitle	Inventor
1000		Europe	A123-owned	Granted	ORD	095943721.1	12/11/1995	0808507-8	11/19/2003	High Surface Area Nitride, Carbide And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffrey M. Parker
1000		Germany	A123-owned	Granted	ORD	95943721.1	12/11/1995	69532172.2		High Surface Area Nitride, Carbide, And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffrey M. Parker
1000		Japan	A123-owned	Granted	ORD	8-519,174	12/11/1995	3900303	1/12/2007	High Surface Area Nitride, Carbide, And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffrey M. Parker
1000		United Kingdom	A123-owned	Granted	ORD	95943721.1	12/11/1995	808507	12/11/2005	High Surface Area Nitride, Carbide, And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffrey M. Parker
1000		United States	A123-owned	Granted	ORD	08/354,289	12/12/1994	5680292	10/21/1997	High Surface Area Nitride, Carbide And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffrey M. Parker
1001		United States	A123-owned	Granted	ORD	08/818,437	3/14/1997	5888689	3/30/1999	Transition Metal-Based Ceramic Material And Articles Fabrication Therefrom	Levi T. Thompson, Jr., Michael R. Wixom
1002		United States	A123-owned	Granted	ORD	09/253,965	2/22/1999	6297165	10/2/2001	Catalyst	Levi T. Thompson, Michael Wixom, David Tarnowski, Cong Fu
1003		Japan	A123-owned	Granted	ORD	2000-951449	5/21/1999	4712970	4/1/2011	Transition Metal Based Ceramic Material And Electrodes Fabricated Therefrom	Daryl Clerc, Matthew Fay, Levi Thompson, Michael Wixom
1003		United States	A123-owned	Granted	ORD	09/315,169	5/20/1999	6190802	2/20/2001	Transition Metal Based Ceramic Material And Electrodes Fabricated Therefrom	Daryl Clerc, Matthew Fay, Levi Thompson, Michael Wixom
1004		United States	T/J Tech	Granted	ORD	09/454,571	12/7/1999	6524744	2/25/2003	Multi-Phase Material And Electrodes Made Therefrom	Daryl Clerc, Matthew Fay, Jennifer Groff, Michael Wixom
1005		Canada	Jointly Owned (MIT)	Pending	PCT	2455819	7/26/2002			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005		China	Jointly Owned (MIT)	Granted	PCT	02818181.6	7/26/2002	Z102818181.6	3/24/2010	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005		Europe	Jointly Owned (MIT)	Pending	PCT	02766358.0	7/26/2002			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005		India	Jointly Owned (MIT)	Granted	PCT	118KOLNP/2004	7/26/2002	222130	7/23/2008	ELECTROCHEMICAL DEVICE AND METHOD FOR PRODUCING THE SAME	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005		Japan	Jointly Owned (MIT)	Pending	PCT	2003-517975	7/26/2002	4619000	11/5/2010	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005	1	Korea	Jointly Owned (MIT)	Pending	DIV	10-2009-7016254	7/26/2002			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005	2	Korea	Jointly Owned (MIT)	Pending	DIV	10-2012-7008431	7/26/2002			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005	1	United States	Jointly Owned (MIT)	Granted	CIP	10/206662	7/26/2002	7579112	8/25/2009	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang
1005	2	United States	Jointly Owned (MIT)	Granted	CON	12512421	7/30/2009	8168326	5/7/2012	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Gozdz, Richard K Holman, Andrew Loxley, Yeh-Ming Chiang

A123 Case Number	A123 SubCase	Country	Owner	Status	Case Type	App. No.	Filing Date	Pat. No.	Pat. Date	Apptitle	Inventor
1005	3	United States	Jointly Owned (MIT)	Granted	CON	886035	9/20/2010	7968746	8/2/2011	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Goetz, Richard K Holman, Andrew Loxley, Yet-Ming Chiang
1005	4	United States	Jointly Owned (MIT)	Granted	DIV	13/169423	6/27/2011	8206469	6/26/2012	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	Michael S Viola, William Moorehead, Gilbert N. Riley, Jr., Antoni S. Goetz, Richard K Holman, Andrew Loxley, Yet-Ming Chiang
1005	5	United States	Jointly Owned (MIT)	Granted	CIP	12/891637	9/27/2010	7662265	2/24/2011	BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	William Moorehead, Yet-Ming Chiang
1005	7	United States	Jointly Owned (MIT)	Pending	CIP	12/692,460	1/22/2010			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	William Moorehead, Yet-Ming Chiang
1005	8	United States	Jointly Owned (MIT)	Pending	CIP	13/472351	5/15/2012			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	William Moorehead, Yet-Ming Chiang
1005	9	United States	Jointly Owned (MIT)	Pending	CIP	13/549064	6/13/2012			BATTERY STRUCTURES, SELF-ORGANIZING STRUCTURES AND RELATED METHODS	William Moorehead, Yet-Ming Chiang
1006		Korea	A123-owned	Granted	ORD	10-2001-0063761	10/16/2001	0413608	12/18/2003	SEPARATOR FOR LITHIUM ION SECONDARY BATTERY METHOD FOR PRODUCING THE SAME, AND LITHIUM ION SECONDARY BATTERY COMPRISING THE SAME	Hwan-jin Non
1007		Korea	A123-owned	Granted	ORD	10-2002-0028784	5/23/2002	0459871	11/24/2004	NONAQUEOUS ELECTROLYTE COMPOSITION FOR BATTERY OR CONDENSER	Hwan-jin Non
1008	1	United States	A123-owned	Granted	ORD	10/354405	1/30/2003	7087348	8/8/2006	COATED ELECTRODE PARTICLES FOR COMPOSITE ELECTRODES AND ELECTROCHEMICAL CELLS	Yet-Ming Chiang, Antoni S. Goetz, Andrew Loxley, Richard K Holman, Gilbert N. Riley, Jr., Michael S Viola, Benjamin Nunes, Michele Osiradi
1010	1	United States	A123-owned	Granted	ORD	10/626881	7/28/2003	7763382	7/27/2010	BIPOLAR ARTICLES AND RELATED METHODS	Gilbert N. Riley, Yet-Ming Chiang, Antoni S. Goetz, Ric Fulop, Michael S. Viola
1010	2	United States	A123-owned	Pending	ORD	12/816644	6/16/2010			BIPOLAR ARTICLES AND RELATED METHODS	Gilbert N. Riley, Yet-Ming Chiang, Antoni S. Goetz, Ric Fulop, Michael S. Viola
1011		United States	A123-owned	Granted	ORD	10/719,582	11/21/2003	6878475	4/12/2005	Membrane For Fuel Cell, And Fuel Cell Incorporating That Membrane	Michael Wixom, Hanwei Lei, Pu Zhang, Junqing Ma
1012		Korea	A123-owned	Granted	ORD	10-2002-0075768	12/2/2002	0509435	8/12/2005	LITHIUM SECONDARY BATTERY AND PREPARATION METHOD THEREOF	Wan Jin Ron
1013		Japan	A123-owned	Pending	PCT	2004-562560	12/23/2003			HIGH ENERGY AND POWER DENSITY ELECTROCHEMICAL CELLS	Yet-Ming Chiang, Antoni S. Goetz, Gilbert N. Riley, Jr.
1013	1	United States	A123-owned	Granted	CON	11/159989	6/23/2005	8003250	8/23/2011	HIGH ENERGY AND POWER DENSITY ELECTROCHEMICAL CELLS	Yet-Ming Chiang, Antoni S. Goetz, Gilbert N. Riley, Jr.
1014		China	A123-owned	Granted	PCT	200480002940.9	1/27/2004	CN100359746	1/2/2008	STACKED LITHIUM SECONDARY BATTERY AND ITS FABRICATION	Wan Jin Ron
1014		Korea	A123-owned	Granted	ORD	10-2003-0005350	1/27/2003	0509437	8/12/2005	STACKED LITHIUM SECONDARY BATTERY AND PREPARATION METHOD THEREOF	Hwan-jin Non
1014		United States	A123-owned	Granted	PCT	10/543352	7/28/2005	8067112	11/29/2011	STACKED LITHIUM SECONDARY BATTERY AND ITS FABRICATION	Wan Jin Ron
1015	1	United States	A123-owned	Granted	DIV	12/140058	6/16/2008	8088512	1/3/2012	BATTERY STRUCTURES AND RELATED METHODS	Antoni S. Goetz, Andrew Loxley, Richard K Holman, Ronny Wilkins
1015	2	United States	A123-owned	Pending	DIV	13/299562	18-Nov-2011			BATTERY STRUCTURES AND RELATED METHODS	Antoni S. Goetz, Andrew Loxley, Richard K Holman, Ronny Wilkins
1015		United States	A123-owned	Granted	CIP	10/354673	1/30/2003	7387851	6/17/2008	BATTERY STRUCTURES AND RELATED METHODS	Antoni S. Goetz, Andrew Loxley, Richard K Holman, Ronny Wilkins
1016		Korea	A123-owned	Granted	ORD	10-2003-0028294	4/25/2003	0558848	2/21/2006	METHOD FOR MANUFACTURING STACKED TYPE LITHIUM SECONDARY BATTERY BY ATTACHING ELECTRODE PLATES IN ONE DIRECTION	Hwan-jin Non
1017	1	United States	A123-owned	Granted	ORD	10/876179	6/23/2004	7318982	1/15/2008	POLYMER COMPOSITION FOR ENCAPSULATION OF ELECTRODE PARTICLES	Anthony E Pullen, Andrew Loxley, Antoni S Goetz

A123 Case Number	A123 SubCase	Country	Owner	Status	Case Type	App. No.	Filing Date	Pat. No.	Pat. Date	Apptitle	Inventor
1019		United States	A123-owned	Granted	ORD	11/035,172	1/13/2005	7208437	4/24/2007	Catalyst And Method For Its Manufacture	Devon Renock, Innae Bee, Pu Zhang, Timothy K. Sander, Elizabeth Mueller, Harmer Lei
1020		United States	A123-owned	Granted	ORD	10/759,348	1/16/2004	7169328	1/30/2007	Multiphase Nanocomposite Material And Method For Its Manufacture	John Miller, Lya Wang
1021		Europe	A123-owned	Pending	ORD	04706469.6	8/23/2005			Composite Material And Electrodes Made Therefrom	Lya Wang, Chuanying Xu, John M. Miller
1021		Japan	A123-owned	Granted	ORD	2006-503129	1/29/2004	4786527	7/22/2011	Composite Material And Electrodes Made Therefrom	Lya Wang, Chuanying Xu, John M. Miller
1021		United States	A123-owned	Granted	ORD	10/766,385	1/28/2004	7326494	2/5/2008	Composite Material And Electrodes Made Therefrom	Lya Wang, Chuanying Xu, John M. Miller
1022		Australia	A123-owned	Granted	PCT	2005219420	2/7/2005	2005219420	2/7/2011	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Canada	A123-owned	Pending	PCT	2355521	2/7/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		China	A123-owned	Pending	PCT	200560000019.5	2/7/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Europe	A123-owned	Granted	PCT	05722761.3	2/7/2005	EP 1 716 610	8/24/2011	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Germany	A123-owned	Granted	EPO	05722761.3	2/7/2005	1 716 610	8/24/2011	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Hong Kong	A123-owned	Pending	ORD	07100708.6	1/19/2007			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Japan	A123-owned	Pending	PCT	2006-552287	2/7/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Korea	A123-owned	Pending	PCT	10-2006-7017938	2/7/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022		Taiwan	A123-owned	Pending	ORD	94104241	2/14/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022	1	United States	A123-owned	Granted	ORD	11/0529271	2/7/2005	7348101	3/25/2008	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022	2	United States	A123-owned	Granted	CON	11/076556	3/9/2005	7261979	8/28/2007	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022	3	United States	A123-owned	Granted	CON	11/839947	8/16/2007	7799461	9/21/2010	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1022	3	United States	A123-owned	Granted	CON	12/860558	13-Sep-2010	8080338	12/20/2011	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Verhling Chiang
1023		Australia	A123-owned	Pending	PCT	2005241927	4/28/2005	2005241927	2/10/2011	LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ritorody
1023		China	A123-owned	Granted	PCT	200560018485.6	4/28/2005	ZL200560018485.6	9/16/2009	LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ritorody
1023		India	A123-owned	Pending	PCT	3222/KOLNP/2006	4/28/2005			LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ritorody
1023		Japan	A123-owned	Pending	PCT	2007-510999	4/28/2005			LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ritorody
1023		Taiwan	A123-owned	Pending	ORD	94113816	4/29/2005			LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ritorody
1023	1	United States	A123-owned	Granted	ORD	11/117157	4/28/2005	7867651	1/11/2011	LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ritorody
1025		Canada	A123-owned	Pending	PCT	2586237	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu

A123 Case Number	A123 SubCase	Country	Owner	Status	Case Type	App. No.	Filing Date	Pat. No.	Pat. Date	Apptitle	Inventor
1025		China	A123-owned	Granted	PCT	200560041436.4	11/2/2005	ZL200560041436.4	11/11/2009	METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu
1025		Germany	A123-owned	Pending	PCT	112005002725.2	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu
1025		India	A123-owned	Pending	PCT	3770DELNP/2007	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu
1025		Japan	A123-owned	Pending	PCT	2007-540397	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu
1025		Korea	A123-owned	Pending	PCT	10-2007-7010945	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu
1025	1	United States	A123-owned	Granted	ORD	111261349	10/28/2005	7282301	10/16/2007	METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanying Xu
1027		Canada	A123-owned	Pending	PCT	2396809	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027		China	A123-owned	Pending	PCT	200680010541.6	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027		Germany	A123-owned	Pending	PCT	112006000326.7	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027		India	A123-owned	Pending	PCT	6806/DELNP/2007	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027		Japan	A123-owned	Pending	PCT	2007-554308	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027		Korea	A123-owned	Pending	PCT	10-2007-70202020	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027	1	United States	A123-owned	Granted	ORD	111345862	2/2/2006	7842420	11/30/2010	ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027	2	United States	A123-owned	Granted	ORD	12995091	11/29/2010	8187753	5/29/2012	ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1027	3	United States	A123-owned	Pending	ORD	13449938	4/18/2012			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixon, Chuanying Xu
1028		Korea	A123-owned	Granted	ORD	10-2005-0031294	4/15/2005	0700711	3/21/2007	HYBRID ELECTRICAL ENERGY STORAGE SYSTEM WITH 4V GRADE OF OPERATION VOLTAGE	Myoung-Shin Hong, Whan Jin Roh, Seong-Woo Park, Dong Hwan Jang, Yeon Bok Jeong, Sung Cheul Park
1031		Korea	A123-owned	Granted	UTM	20-2005-0016825	6/13/2005	0394701	8/29/2005	LITHIUM SECONDARY BATTERY HAVING ANODE LEAD AND CATHODE LEAD OPPOSITELY PROTECTED FROM POLICH	Hwan-Jin No, Byeong-Su Jeong, Seong-U Park
1033		China	A123-owned	Pending	PCT	200680035978.5	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1033		Europe	A123-owned	Pending	PCT	06851633.6	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1033		Japan	A123-owned	Pending	PCT	2006-536570	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1033		Korea	A123-owned	Pending	PCT	10-2006-7005568	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1033		Taiwan	A123-owned	Pending	ORD	9512901.5	8/8/2006			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1033	1	United States	A123-owned	Granted	ORD	111396515	4/3/2006	7393201	5/10/2011	NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1033	2	United States	A123-owned	Granted	ORD	131067645	4/15/2011	8057936	11/15/2011	NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Antoni S. Goetz, Martin W Payne
1034		China	A123-owned	Granted	PCT	200680039326.9	9/1/2006	ZL200680039326.9		BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1034		Europe	A123-owned	Pending	PCT	06614143.1	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu

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1034		India	A123-owned	Pending	PCT	976/KOLNP/2008	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1034		Japan	A123-owned	Pending	PCT	2008-529369	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1034		Korea	A123-owned	Pending	PCT	10-2008-7007596	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1034		Taiwan	A123-owned	Pending	ORD	95132553	9/4/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1034	1	United States	A123-owned	Granted	ORD	11/515597	9/5/2006	7927732	4/19/2011	BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1034	2	United States	A123-owned	Pending	DIV	13/087645	4/15/2011			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonan S Myerberg, Donald G Daboe, Hung-Chien Shiao, Grace S Chang, Andrew C Chiu
1035		China	A123-owned	Pending	PCT	200890039329.2	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1035		Europe	A123-owned	Pending	PCT	06851818.2	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1035		India	A123-owned	Pending	PCT	1196/KOLNP/2008	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1035		Japan	A123-owned	Pending	PCT	2009-505349	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1035		Korea	A123-owned	Pending	PCT	10-2008-7007581	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1035		Taiwan	A123-owned	Pending	ORD	95132534	9/4/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1035		United States	A123-owned	Pending	ORD	11/515633	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chien Shiao, Antoni S Gozdz
1036		China	A123-owned	Pending	PCT	200860040767.0	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1036		Europe	A123-owned	Pending	PCT	06814452.6	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1036		India	A123-owned	Pending	PCT	1080/KOLNP/2008	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1036		Japan	A123-owned	Pending	PCT	2008-530015	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1036		Korea	A123-owned	Pending	PCT	10-2008-7008200	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1036		Taiwan	A123-owned	Pending	ORD	95133413	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1036	1	United States	A123-owned	Pending	CIP	11/518974	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C, Chiu, Gilbert N Riley, Jr., Yeh-Ming Chang, Antoni S Gozdz
1037		Korea	A123-owned	Granted	ORD	10-2005-0087631	9/21/2005	10-0639431	10/20/2006	HYBRID ELECTRIC ENERGY STORAGE SYSTEM EMPLOYING ACTIVE CARBON ELECTRODE, CARBON ELECTRODE AND LITHIUM BATTERY, AND ITS METHOD	Hwan-Jin Noh, Yeon Bok, Jeong

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1038		China	A123-owned	Pending	PCT	200660051496.9	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Europe	A123-owned	Pending	PCT	06644738.2	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Japan	A123-owned	Pending	PCT	2008-543508	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Korea	A123-owned	Pending	PCT	10-2008-7016190	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Taiwan	A123-owned	Pending	ORD	99144934	12/4/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038	1	United States	A123-owned	Granted	CIP	11/607525	12/1/2006	8158090	4/17/2012	AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038	2	United States	A123-owned	Pending	CON	13/446894	4/13/2012			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chang, Nonglak Meethong, Anthony E Pullen
1039		China	A123-owned	Pending	PCT	200780023218.7	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1039		Europe	A123-owned	Pending	PCT	07297450.9	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1039		Hong Kong	A123-owned	Pending	ORD	09111036.1	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1039		Japan	A123-owned	Pending	PCT	2009-910194	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1039		Korea	A123-owned	Pending	PCT	10-2008-7029055	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1039		Taiwan	A123-owned	Pending	ORD	96116856	5/11/2007			USE OF A HEATED BASE TO ACCELERATE REMOVAL OF COATED ELECTRODE IN THE PRESENCE OF A SOLVENT	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1039	1	United States	A123-owned	Pending	ORD	11/803308	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Goetz, Charles E Martin, Gilbert N Riley, Jr.
1040		China	A123-owned	Pending	PCT	200780023208.3	5/15/2007			MULTI CONFIGURABLE SCALABLE REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Johan S Myerberg, Michael C Hoffman, Greg Trenelling, Benjamin C Shaffer
1040		Europe	A123-owned	Pending	PCT	07783786.2	5/15/2007			MULTI CONFIGURABLE SCALABLE REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Johan S Myerberg, Michael C Hoffman, Greg Trenelling, Benjamin C Shaffer
1040		Japan	A123-owned	Pending	PCT	2009-511206	5/15/2007			MULTI CONFIGURABLE SCALABLE REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Johan S Myerberg, Michael C Hoffman, Greg Trenelling, Benjamin C Shaffer
1040		Korea	A123-owned	Pending	PCT	10-2008-7030134	5/15/2007			MULTI CONFIGURABLE SCALABLE REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Johan S Myerberg, Michael C Hoffman, Greg Trenelling, Benjamin C Shaffer
1040		Taiwan	A123-owned	Pending	ORD	96117301	5/15/2007			MULTI CONFIGURABLE SCALABLE REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Johan S Myerberg, Michael C Hoffman, Greg Trenelling, Benjamin C Shaffer
1040	1	United States	A123-owned	Granted	ORD	11/803424	5/15/2007	7,990,101	8/2/2011	MULTI CONFIGURABLE SCALABLE REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Johan S Myerberg, Michael C Hoffman, Greg Trenelling, Benjamin C Shaffer
1041	1	United States	A123-owned	Granted	CIP	11/748286	5/14/2007	8084158	12/27/2011	BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Goetz, Michael C Hoffman
1046		China	A123-owned	Pending	PCT	200780032386.2	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Asos Toth, Nader Zaag
1046		Europe	A123-owned	Pending	PCT	07798991.8	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Asos Toth, Nader Zaag
1046		Japan	A123-owned	Pending	PCT	2009-520835	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Asos Toth, Nader Zaag
1046		Korea	A123-owned	Pending	PCT	10-2009-702568	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Asos Toth, Nader Zaag

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1046	1	United States	A123-owned	Granted	ORD	11/760296	7/19/2007	7729855	5/25/2010	METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS UTILIZING OPTICALLY COUPLED CELL VOLTAGE SELECTION SIGNAL, CELL VOLTAGE ISOLATION AMPLIFIER, AND ZENER DIODES IN BALANCING CIRCUIT	Akos Toth, Nader Zaag
1048		India	A123-owned	Pending	ORD	4307DELNP/2008	5/21/2008			High Capacity Electrode And Methods For Its Fabrication And Use	Bying Huang, Suresh Mani, Jun Q. Chin
1048		Japan	A123-owned	Pending	ORD	2008-539009	10/31/2006			High Capacity Electrode And Methods For Its Fabrication And Use	Bying Huang, Suresh Mani, Jun Q. Chin
1048		Korea	A123-owned	Pending	ORD	10-2008-7013129	5/30/2008			High Capacity Electrode And Methods For Its Fabrication And Use	Bying Huang, Suresh Mani, Jun Q. Chin
1048		United States	A123-owned	Pending	ORD	11/554,051	10/30/2006			High Capacity Electrode And Methods For Its Fabrication And Use	Bying Huang, Suresh Mani, Jun Q. Chin
1049		China	A123-owned	Pending	PCT	200880009462.2	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1049		Europe	A123-owned	Pending	PCT	08782740.8	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1049		Japan	A123-owned	Pending	PCT	2009-549177	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1049		Korea	A123-owned	Pending	PCT	10-2009-7018664	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1049		Taiwan	A123-owned	Pending	ORD	97109922	2/1/2008			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1049	1	United States	A123-owned	Pending	CIP	11/672931	2/8/2007			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1049	2	United States	A123-owned	Pending	CIP	13/690,673	11/30/2012			NANOSCALE ION STORAGE MATERIALS	Yeh-Ming Chiang, Martin W. Payne, Antoni S Gozdz
1050		Canada	A123-owned	Pending	PCT	287/847	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050		China	A123-owned	Pending	PCT	200880009239.8	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050		Europe	A123-owned	Pending	PCT	08729474.0	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050		India	A123-owned	Pending	PCT	2630/KOLNP/2009	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050		Japan	A123-owned	Pending	PCT	2009-549284	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050		Korea	A123-owned	Pending	PCT	10-2009-7018759	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050	1	United States	A123-owned	Pending	ORD	12/028772	2/8/2008			CONTROL SYSTEM FOR HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1051		Europe	A123-owned	Pending	PCT	08756638.6	6/2/2008			SEPARATOR INCLUDING ELECTROACTIVE MATERIAL FOR OVERCHARGE PROTECTION	Susan J Babinec, Karen E Thomas-Ayrea, Richard K Holman
1051	1	United States	A123-owned	Pending	ORD	12/131892	6/2/2008			SEPARATOR INCLUDING ELECTROACTIVE MATERIAL FOR OVERCHARGE PROTECTION	Susan J Babinec, Karen E Thomas-Ayrea, Richard K Holman
1052	1	United States	A123-owned	Granted	DIV	972,781	12/20/2010	7879483	2/1/2011	Alkali Metal Titanates And Methods For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom
1052		United States	A123-owned	Granted	ORD	11/157,658	6/4/2007	7867651	1/11/2011	Alkali Metal Titanates And Methods For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom

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1053		China	A123-owned	Pending	ORD	200780023714.2	6/5/2007			Alkalai Metal Titanates And Method For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom
1053		Germany	A123-owned	Granted	ORD	112007001382.6	6/5/2007			Alkalai Metal Titanates And Method For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom
1053		India	A123-owned	Pending	ORD	107720DELNP/2008	6/5/2007			Alkalai Metal Titanates And Method For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom
1053		Japan	A123-owned	Pending	ORD	2009-5-14491	6/5/2007			Alkalai Metal Titanates And Method For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom
1053		Korea	A123-owned	Pending	ORD	10-2008-7031175	6/5/2007			Alkalai Metal Titanates And Method For Their Synthesis	Pu Zhang, Suresh Mani, Michael R. Wixom
1053		United States	A123-owned	Granted	ORD	11/954,955	12/12/2007	8078030	12/13/2011	Alkalai Metal Titanates, And Electrodes And Batteries Based On The Same	Pu Zhang, Suresh Mani, Yeh-Ming Chiang, Shih-Chien Yin, Brian Glonski, Young Jang Ji, Christopher Sikowski, Michael R. Wixom
1054		China	A123-owned	Pending	PCT	2008860024680.3	6/9/2008			CAP ASSEMBLY FOR A HIGH CURRENT CAPACITY ENERGY DELIVERY DEVICE	Donald G DaFoe, Lucien Fontaine, William H Gardner
1054		Europe	A123-owned	Pending	PCT	08770516.6	6/9/2008			CAP ASSEMBLY FOR A HIGH CURRENT CAPACITY ENERGY DELIVERY DEVICE	Donald G DaFoe, Lucien Fontaine, William H Gardner
1054		India	A123-owned	Pending	PCT	4289/KOLNP/2009	6/9/2008			CAP ASSEMBLY FOR A HIGH CURRENT CAPACITY ENERGY DELIVERY DEVICE	Donald G DaFoe, Lucien Fontaine, William H Gardner
1054		Japan	A123-owned	Pending	PCT	2010-5-11425	6/9/2008			CAP ASSEMBLY FOR A HIGH CURRENT CAPACITY ENERGY DELIVERY DEVICE	Donald G DaFoe, Lucien Fontaine, William H Gardner
1054		Korea	A123-owned	Pending	PCT	10-2010-7000354	6/9/2008			CAP ASSEMBLY FOR A HIGH CURRENT CAPACITY ENERGY DELIVERY DEVICE	Donald G DaFoe, Lucien Fontaine, William H Gardner
1054	2	United States	A123-owned	Pending	ORD	12/135708	6/9/2008	8119280	2/21/2012	CAP ASSEMBLY FOR A HIGH CURRENT CAPACITY ENERGY DELIVERY DEVICE	Donald G DaFoe, Lucien Fontaine, William H Gardner
1055		China	A123-owned	Pending	PCT	2008860105630.8	7/11/2008			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr., Karen E Thomas-Alyea, Nonglak Meethong, Yeh-Ming Chiang, Yu-Hua Kao, Young-Ji Jang
1055		Europe	A123-owned	Pending	PCT	08796171.0	7/11/2008			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr., Karen E Thomas-Alyea, Nonglak Meethong, Yeh-Ming Chiang, Yu-Hua Kao, Young-Ji Jang
1055		India	A123-owned	Pending	PCT	179/KCOLNP/2010	7/11/2008			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr., Karen E Thomas-Alyea, Nonglak Meethong, Yeh-Ming Chiang, Yu-Hua Kao, Young-Ji Jang
1055		Japan	A123-owned	Pending	PCT	2010-5-16283	7/11/2008			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr., Karen E Thomas-Alyea, Nonglak Meethong, Yeh-Ming Chiang, Yu-Hua Kao, Young-Ji Jang
1055		Korea	A123-owned	Pending	PCT	10-2010-7003179	7/11/2008			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr., Karen E Thomas-Alyea, Nonglak Meethong, Yeh-Ming Chiang, Yu-Hua Kao, Young-Ji Jang
1055		Taiwan	A123-owned	Pending	ORD	97126662	7/14/2008			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr., Karen E Thomas-Alyea, Nonglak Meethong, Yeh-Ming Chiang, Yu-Hua Kao, Young-Ji Jang
1055	3	United States	A123-owned	Granted	ORD	12/172050	7/11/2008	8187735	5/29/2012	MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Young-Ji Jang, Yu-Hua Kao, Yeh-Ming Chiang, Nonglak Meethong, Karen E Thomas-Alyea, Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr.

A123 Case Number	A123 SubCase	Country	Owner	Status	Case Type	App. No.	Filing Date	Pat. No.	Pat. Date	Apptitle	Inventor
1055	4	United States	A123-owned	Pending	ORD	13/462849	5/29/2012			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Yong-Hi Jang, Yu-Hua Kuo, Yei-Ming Chiang, Nonglak Weelhong, Karen E Thomas-Alyea, Andrew C Chu, Anthony E Pallen, Gilbert N Riley, Jr.
1056		China	A123-owned	Pending	PCT	200880105517.X	7/24/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1056		Europe	A123-owned	Pending	PCT	08/96559.6	7/24/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1056		India	A123-owned	Pending	PCT	177/KOLNP/2010	7/24/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1056		Japan	A123-owned	Pending	PCT	2010-516388	7/24/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1056		Korea	A123-owned	Pending	PCT	10-2010-7003935	7/24/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1056		United States	A123-owned	Pending	ORD	12/178538	7/23/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1058		China	A123-owned	Pending	PCT	200880112058.8	8/21/2008			SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Susan J Babinec, Angela Knapp, Gregory B Less
1058		Europe	A123-owned	Pending	PCT	08627/86.8	8/21/2008			SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Susan J Babinec, Angela Knapp, Gregory B Less
1058		Japan	A123-owned	Pending	PCT	2010-522046	8/21/2008			SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Susan J Babinec, Angela Knapp, Gregory B Less
1058		Korea	A123-owned	Pending	PCT	2010-7006170	8/21/2008			SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Susan J Babinec, Angela Knapp, Gregory B Less
1058	1	United States	A123-owned	Pending	ORD	12/196203	8/21/2008			SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Susan J Babinec, Angela Knapp, Gregory B Less
1059		China	A123-owned	Pending	PCT	200880115322.3	9/15/2008			LITHIUM RECHARGEABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yei-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059		Europe	A123-owned	Pending	PCT	08630896.0	9/15/2008			LITHIUM RECHARGEABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yei-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059		Japan	A123-owned	Pending	PCT	2010-525072	9/15/2008			LITHIUM RECHARGEABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yei-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059		Korea	A123-owned	Pending	PCT	10-2010-7008020	9/15/2008			LITHIUM RECHARGEABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yei-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059	2	United States	A123-owned	Granted	ORD	12/210812	9/15/2008	8163410	4/24/2012	LITHIUM RECHARGEABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yei-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059	3	United States	A123-owned	Pending	ORD	13/448939	4/17/2012			LITHIUM RECHARGEABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yei-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1060		China	A123-owned	Pending	PCT	200880109165.5	9/29/2008			BATTERIES HAVING INORGANIC/ORGANIC POROUS FILMS	Gregory B Less, Susan J Babinec, Gilbert N Riley, Jr.
1060		Europe	A123-owned	Pending	PCT	08633067.5	9/29/2008			BATTERIES HAVING INORGANIC/ORGANIC POROUS FILMS	Gregory B Less, Susan J Babinec, Gilbert N Riley, Jr.
1060		Japan	A123-owned	Pending	PCT	2010-522470	9/29/2008			BATTERIES HAVING INORGANIC/ORGANIC POROUS FILMS	Gregory B Less, Susan J Babinec, Gilbert N Riley, Jr.
1060		Korea	A123-owned	Pending	PCT	10-2010-7009415	9/29/2008			BATTERIES HAVING INORGANIC/ORGANIC POROUS FILMS	Gregory B Less, Susan J Babinec, Gilbert N Riley, Jr.
1060		Taiwan	A123-owned	Pending	ORD	97137609	9/30/2008			BATTERIES HAVING INORGANIC/ORGANIC POROUS FILMS	Gregory B Less, Susan J Babinec, Gilbert N Riley, Jr.
1060	1	United States	A123-owned	Pending	ORD	12/240655	9/29/2008			BATTERIES HAVING INORGANIC/ORGANIC POROUS FILMS	Gregory B Less, Susan J Babinec, Gilbert N Riley, Jr.

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1061		China	A123-owned	Pending	PCT	20880123705.5	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		Europe	A123-owned	Pending	PCT	8856364.8	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		India	A123-owned	Pending	PCT	3203/CHENP/2010	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		Japan	A123-owned	Pending	PCT	2010-536145	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		Korea	A123-owned	Pending	PCT	10-2010-7014251	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		Taiwan	A123-owned	Pending	ORD	97146041	11/27/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		United States	A123-owned	Pending	ORD	123523197	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1062		China	A123-owned	Pending	PCT	200980105552.6	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1062		Europe	A123-owned	Pending	PCT	8701906.1	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1062		India	A123-owned	Pending	PCT	4912/CHENP/2010	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1062		Japan	A123-owned	Pending	PCT	2010-543309	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1062		Korea	A123-owned	Pending	PCT	10-2010-2018198	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1062		Taiwan	A123-owned	Pending	ORD	98101842	1/17/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1062	1	United States	A123-owned	Pending	ORD	12357008	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuangxi Xu, Lya Wang, Phillip Stoles, Anthony E Pullen
1063		Canada	A123-owned	Pending	ORD	2719784				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1063		China	A123-owned	Pending	ORD	200980117447.4				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1063		Europe	A123-owned	Pending	ORD	09224612.8				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1063		India	A123-owned	Pending	ORD	3978/KOLNP/2010				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1063		Japan	A123-owned	Pending	ORD	2011-502033				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1063		Korea	A123-owned	Pending	ORD	10-2010-7023887				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1063	1	United States	A123-owned	Pending	ORD	12411380	3/25/2009			HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yeh-Ming Chang, Michael Wixom, Andrew C Chu, Youngil Jang
1064		Brazil	A123-owned	Pending	ORD	P10910105-5				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACITORS	Michael C Hoff
1064		Canada	A123-owned	Pending	ORD	2720231				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACITORS	Michael C Hoff
1064		China	A123-owned	Pending	ORD	200980116991.7				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACITORS	Michael C Hoff

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1064		Europe	A123-owned	Pending	ORD	22/2148				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACTORS	Michael C Hoff
1064		India	A123-owned	Pending	ORD	3832/KOLNP/2010				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACTORS	Michael C Hoff
1064		Japan	A123-owned	Pending	ORD	2011-503118				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACTORS	Michael C Hoff
1064		Korea	A123-owned	Pending	ORD	10-2010-7024200				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACTORS	Michael C Hoff
1064	1	United States	A123-owned	Pending	ORD	12/416072	3/31/2009			METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACTORS	Michael C Hoff
1065		Brazil	A123-owned	Pending	ORD	P10911250-2				FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Joslier, Brian Rukowski, Shazad Butt
1065		Europe	A123-owned	Pending	ORD	09/67167.1				FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Joslier, Brian Rukowski, Shazad Butt
1065		Japan	A123-owned	Pending	ORD	2011-505152				FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Joslier, Brian Rukowski, Shazad Butt
1065	1	United States	A123-owned	Pending	ORD	12/423799	4/14/2009			FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Joslier, Brian Rukowski, Shazad Butt
1066	1	United States	A123-owned	Pending	ORD	12/477382	6/3/2009			METHOD AND SYSTEM FOR DETERMINING STATE OF CHARGE OF AN ENERGY DELIVERY DEVICE	Karen E Thomas-Ayres
1068		United States	A123-owned	Pending	ORD	12/502855	7/14/2009			PRISMATIC CELL WITH OUTER ELECTRODE LAYERS COATED ON A SINGLE SIDE	Seong-Woo Park, Myoung-Shin Hong, Whan Jin Ro, Sang-Young Yoon
1069		United States	A123-owned	Pending	ORD	12/558091	9/11/2009			SPLIT CHARGE FORMING PROCESS FOR BATTERY	San-Young Yoon, Rocco Iocco
1070	1	China	A123-owned	Pending	ORD	200910256463.7	11/25/2009			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin
1070		China	A123-owned	Pending	UTM	200920178049.0	11/25/2009	ZL200920178049.0	3/23/2011	METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin
1070		Germany	A123-owned	Pending	PCT	112009003624.4	5/23/2011			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin
1070		Japan	A123-owned	Pending	PCT	2011-538644	5/24/2011			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin
1070		Korea	A123-owned	Pending	PCT	10-2011-7014285	5/25/2011			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin

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1070		Taiwan	A123-owned	Pending	ORD	98144298	12/22/2009			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin
1070	1	United States	A123-owned	Pending	ORD	126623967	11/23/2009			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fontaine, Charles E Martin
1071		China	A123-owned	Pending	ORD	200980103123.5	1/9/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqiang Ma, Lya Wang
1071		Japan	A123-owned	Pending	ORD	2010-542364	1/9/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqiang Ma, Lya Wang
1071		Korea	A123-owned	Pending	ORD	10-2010-7017817	1/9/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqiang Ma, Lya Wang
1071		PCT	A123-owned	Pending	ORD	US10/20769	1/12/2010			LAMINATED BATTERY CELL AND METHODS FOR CREATING THE SAME	Pu Zhang, Suresh Mani, Junqiang Ma, Lya Wang
1071		United States	A123-owned	Pending	ORD	12350,631	1/8/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqiang Ma, Lya Wang
1072	1	China	A123-owned	Pending	ORD	201080011817.9	10/27/2011			LAMINATED BATTERY CELL AND METHODS FOR CREATING THE SAME	Susan J Babinec, Gregory B Less, Dave Vieau
1072		China	A123-owned	Pending	PCT	201080011817.9	1/11/2010			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1072		Germany	A123-owned	Pending	PCT	112010000853.1	1/12/2010			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1072		Taiwan	A123-owned	Pending	ORD	99100689	1/12/2010			LAMINATED BATTERY CELL AND METHODS FOR CREATING THE SAME	Susan J Babinec, Gregory B Less, Dave Vieau
1072	1	United States	A123-owned	Pending	ORD	12668638	1/12/2010			LAMINATED BATTERY CELL AND METHODS FOR CREATING THE SAME	Susan J Babinec, Gregory B Less, Dave Vieau
1073		Germany	A123-owned	Pending	PCT	0	7/12/2011			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1073		Korea	A123-owned	Pending	PCT	10-2011-7018694	7/11/2011			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1073		Taiwan	A123-owned	Pending	ORD	99100677	1/12/2010			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1073	1	United States	A123-owned	Pending	ORD	12628809	12/12/2009	8,257,855	9/4/2012	PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1073	2	United States	A123-owned	Pending	ORD	13,441,078	4/6/2012			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1074		United States	A123-owned	Pending	ORD	12628786	12/12/2009			BUSBAR SUPPORTS AND METHODS OF THEIR USE FOR BATTERY SYSTEMS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler
1075		China	A123-owned	Pending	PCT	2010080000568.3	1/11/2010			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinsheimer, Chad Jeremy Allison
1075		Germany	A123-owned	Pending	PCT	10-2011-7018696	10/20/2011			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinsheimer, Chad Jeremy Allison
1075		Korea	A123-owned	Pending	PCT	10-2011-7018696	10/20/2011			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinsheimer, Chad Jeremy Allison
1075		Taiwan	A123-owned	Pending	ORD	99100674	1/12/2010			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinsheimer, Chad Jeremy Allison
1075		United States	A123-owned	Pending	ORD	12628796	12/12/2009			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinsheimer, Chad Jeremy Allison
1076		China	A123-owned	Pending	PCT	201080000567.9	1/11/2010			SAFETY VENTING MECHANISM FOR BATTERIES	Andrew Hong, Mujeeb Ijaz, Jonathan Hostler, Shazad Butt, Whan Jin Roh

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1076		Germany	A123-owned	Pending	PCT	112010000764	7/11/2011			SAFETY VENTING MECHANISM FOR BATTERIES	Andrew Hong, Mujeeb Ijaz, Jonathan Hostler, Shazad Butt, Whan Jin Roh
1076		Taiwan	A123-owned	Pending	ORD	99100672	1/12/2010			SAFETY VENTING MECHANISM FOR BATTERIES	Andrew Hong, Mujeeb Ijaz, Jonathan Hostler, Shazad Butt, Whan Jin Roh
1076	1	United States	A123-owned	Pending	ORD	12628713	12/1/2009	8,257,846	9/4/2012	SAFETY VENTING MECHANISM FOR BATTERIES	Andrew Hong, Mujeeb Ijaz, Jonathan Hostler, Shazad Butt, Whan Jin Roh
1076	2	United States	A123-owned	Pending	ORD	12628733	12/1/2009			STRUCTURE OF PRISMATIC BATTERY MODULES WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1076	3	United States	A123-owned	Pending	ORD	12628699	12/1/2009			METHODS OF WELDING BATTERY TERMINALS	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1079		China	A123-owned	Pending	ORD		12/10/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1079		Korea	A123-owned	Pending	ORD	10-2012-7000860	1/9/2012			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1079		UK	A123-owned	Pending	ORD	1200045.1	1/4/2012			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1079		United States	A123-owned	Pending	ORD	13376.572	12/6/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1080		China	A123-owned	Pending	ORD		12/10/2011			System and method for a battery pack output controller	Brian Rutkowski, Brian Moornhead
1080		Germany	A123-owned	Pending	ORD		12/10/2011			System and method for a battery pack output controller	Brian Rutkowski, Brian Moornhead
1080		Japan	A123-owned	Pending	ORD		12/10/2011			System and method for a battery pack output controller	Brian Rutkowski, Brian Moornhead
1080		Korea	A123-owned	Pending	ORD	10-2012-7000621	1/9/2012			System and method for a battery pack output controller	Brian Rutkowski, Brian Moornhead
1080		United States	A123-owned	Pending	ORD	13376566	12/6/2011			System and method for a battery pack output controller	Brian Rutkowski, Brian Moornhead
1081		China	A123-owned	Pending	ORD		12/10/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1081		Korea	A123-owned	Pending	ORD	10-2012-7000888	1/9/2012			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1081		United States	A123-owned	Pending	ORD	13376569	12/6/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moornhead
1082		Korea	A123-owned	Pending	ORD	10-2012-7000651	1/9/2012			BATTERY NETWORK WITH HARDWARE WATCHDOG	Brian Moornhead, Brian Rutkowski, Paul W Friehammer, John W Wagner
1082	1	United States	A123-owned	Pending	ORD	12/796.810	6/10/2010			BATTERY NETWORK WITH HARDWARE WATCHDOG	Brian Moornhead, Brian Rutkowski, Paul W Friehammer, John W Wagner
1082		United States	A123-owned	Pending	PRO	61/185774	6/10/2009			BATTERY NETWORK WITH HARDWARE WATCHDOG	Brian Moornhead, Brian Rutkowski, Paul W Friehammer, John W Wagner
1083		PCT	A123-owned	Pending	ORD	US10/39829	6/23/2010			BATTERY ELECTRODES AND METHODS OF MANUFACTURE	Shen J Dillon, Ye-Ming Chang
1083		Taiwan	A123-owned	Pending	ORD	99120445	6/23/2010			BATTERY ELECTRODES AND METHODS OF MANUFACTURE	Shen J Dillon, Ye-Ming Chang
1083	1	United States	A123-owned	Pending	PRO	12821779	6/23/2010			BATTERY ELECTRODES AND METHODS OF MANUFACTURE	Shen J Dillon, Ye-Ming Chang
1084		Korea	A123-owned	Pending	ORD	10-2012-7007642				MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangng Xu, Larry W Beck, Young-H Jang
1084		PCT	A123-owned	Pending	PRO	10/046846	8/25/2010			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangng Xu, Larry W Beck, Young-H Jang
1084		TW	A123-owned	Pending	ORD	99128478				MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangng Xu, Larry W Beck, Young-H Jang
1084	1	United States	A123-owned	Pending	ORD	12868530	8/25/2010			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangng Xu, Larry W Beck, Young-H Jang

A123 Case Number	SubCase	Country	Owner	Status	Case Type	App. No.	Filing Date	Pat. No.	Pat. Date	Apptitle	Inventor
1084		United States	A123-owned	Pending	PRO	61236862	8/23/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangang Xu, Larry W Beck, Young-I Jang
1085		PCT	A123-owned	Pending	ORD	US10/49480	9/20/2010			FERRIC PHOSPHATE DIHYDRATE AS LITHIUM ION PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Marrok Solani, Larry W Beck, Lya Wang
1085		Taiwan	A123-owned	Pending	ORD	99131826				FERRIC PHOSPHATE DIHYDRATE AS LITHIUM ION PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Marrok Solani, Larry W Beck, Lya Wang
1085	1	United States	A123-owned	Pending	ORD	12885907	20-Sep-2010			FERRIC PHOSPHATE DIHYDRATE AS LITHIUM ION PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Marrok Solani, Larry W Beck, Lya Wang
1085		United States	A123-owned	Pending	PRO	61243846	9/16/2009			FERRIC PHOSPHATE DIHYDRATE AS LITHIUM ION PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Marrok Solani, Larry W Beck, Lya Wang
1086		PCT	A123-owned	Pending	ORD	US10/50527				BATTERY-BASED COUNTERMEASURE FOR BULK ELECTRIC SYSTEM DELAYED VOLTAGE RECOVERY	Charles Varanian, David Calucci, Peter Gottlieb, Michael C Hoffman
1086	1	United States	A123-owned	Pending	ORD	128911945	9/28/2010			BATTERY-BASED COUNTERMEASURE FOR BULK ELECTRIC SYSTEM DELAYED VOLTAGE RECOVERY	Charles Varanian, David Calucci, Peter Gottlieb, Michael C Hoffman
1087		PCT	A123-owned	Pending	ORD	2011/063132	5/28/2011			COMPOSITE SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Patrick Hagans, William Hicks, Yeh-Ming Chiang, Susan J Babinec
1087		United States	A123-owned	Pending	ORD	135091899	5/15/2012			COMPOSITE SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Patrick Hagans, William Hicks, Yeh-Ming Chiang, Susan J Babinec
1091		United States	A123-owned	Pending	ORD	135131242	6/1/2012			ELECTRICAL INSULATOR FOR ELECTROCHEMICAL CELL	William H Gardner, Lucene Fontaine, Charles E Marin, Keith M Bibby, Dale Beaver
1092	1	United States	A123-owned	Pending	ORD	135131024	5/31/2012			GRID LOAD SYNCHRONIZATION DEVICE AND METHOD	Peter Gottlieb, John M McNally
1093		China	A123-owned	Pending	ORD		7/4/2012			AUTOMOTIVE BATTERY WITH INTEGRATED POWER MANAGEMENT SYSTEM AND SCALABLE BATTERY CUTOFF COMPONENT	Brian J Peverar
1093		Europe	A123-owned	Pending	ORD					AUTOMOTIVE BATTERY WITH INTEGRATED POWER MANAGEMENT SYSTEM AND SCALABLE BATTERY CUTOFF COMPONENT	Brian J Peverar
1093	1	United States	A123-owned	Pending	ORD	135131665	6/4/2012			AUTOMOTIVE BATTERY WITH INTEGRATED POWER MANAGEMENT SYSTEM AND SCALABLE BATTERY CUTOFF COMPONENT	Brian J Peverar
1094	1	United States	A123-owned	Pending	ORD	135781878	8/14/2012			System and Method for Controlling Humidity in a Battery Module	Chad Jeromy Allison
1095		PCT	A123-owned	Pending	ORD	PCT/US10/60112	12/13/2010			System and Method for Estimating a State of a Battery Pack	Gary R. O'Brien Brian D. Rulkowski Shazad Mahmood Butt
1095		United States	A123-owned	Pending	ORD	13514711	6/8/2012			System and Method for Estimating a State of a Battery Pack	Gary R. O'Brien Brian D. Rulkowski Shazad Mahmood Butt
1096		United States	A123-owned	Pending	ORD	13517903	6/20/2012			METAL OXIDE ANODE MATERIAL	Rocco Iocco, Sang Young Park
1097		PCT	A123-owned	Pending	ORD	PCT/US10/62351	12/29/2010			System and Method for Controlling Voltage of Individual Battery Cells Within a Battery Pack	Paul W. Frennmer John H. Flores
1097	1	United States	A123-owned	Pending	ORD	135201319	7/2/2012			Battery Module System	Jason Davis Marius Eracine
1098		PCT	A123-owned	Pending	ORD	PCT/US11/20078	1/4/2011			System and Method for Monitoring and Balancing Voltage of Individual Battery Cells Within a Battery Pack	Paul W. Frennmer Brian C. Moorhead

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1098	1	United States	A123-owned	Pending	PCT	13520534	7/3/2012			System and Method for Monitoring and Balancing Voltage of Individual Battery Cells Within a Battery Pack	Paul W. Firehammer Brian C. Moorhead
1099		PCT	A123-owned	Pending	ORD	PCT/US11/20692	1/10/2011			System and Method Providing Power Within a Battery Pack	Brian D. Rutkowski Brian C. Moorhead Paul W. Firehammer Jack W. Wagner
1099	1	United States	A123-owned	Pending	ORD	12/796,810	6/9/2010			System and Method for Monitoring and Balancing Voltage of Individual Battery Cells Within a Battery Pack	Paul W. Firehammer Brian C. Moorhead
1099	2	United States	A123-owned	Pending	ORD	13521408	7/10/2012			System and Method Providing Power Within a Battery Pack	Brian D. Rutkowski Brian C. Moorhead Paul W. Firehammer Jack W. Wagner
1100	1	United States	A123-owned	Pending	ORD	13579257	7/25/2012			System and Method Providing Power Within a Battery Pack	Brian D. Rutkowski Brian C. Moorhead Paul W. Firehammer Jack W. Wagner
1101	1	United States	A123-owned	Pending	ORD	13578,530	8/10/2012			System and Method for Assessing Voltage Threshold Detecting Circuitry Within a Battery Pack	Paul W. Firehammer John H. Flores
1102	1	United States	A123-owned	Pending	ORD	13578,169	8/9/2012			TEMPERATURE CONTROLLED PARALLEL BALANCING	David Colucci, Tom De Luca, Bud Collins, Michael C Hoff
1103		United States	A123-owned	Pending	ORD	12/704,591	2/12/2010			Materials And Methods For The Removal Of Sulfur Compounds From Feedstock	Harwei Lei, Maria Hammond, Adam Rand, Liya Wang
1104	2	United States	A123-owned	Pending	ORD	13562,778	9/5/2012			DESIGN AND FABRICATION OF ELECTRODES WITH GRADIENTS	Richard K Holman, Susan J Babinec, Karen E Thomas-Ayala, Gilbert N Riley, Jr.
1106		China	A123-owned	Pending	ORD	CN 201190000482	12/12/2012			System and Method for Assessing ADC Operation and Voltage of a Battery Pack	Brian C. Moorhead Paul W. Firehammer
1106		United States	A123-owned	Pending	ORD	13636,527	9/20/2012			System and Method for Assessing ADC Operation and Voltage of a Battery Pack	Brian C. Moorhead Paul W. Firehammer
1107		United States	A123-owned	Pending	ORD	13636,519	9/20/2012			System and Method for Controlling a Battery Pack Output Contactor	Paul W. Firehammer Brian C. Moorhead Brian D. Rutkowski
1108		United States	A123-owned	Pending	ORD	13079683	4/4/2011			LIION BATTERY CATHODE MATERIALS WITH INTRINSIC OVER-DISCHARGE PROTECTION	Youngil Iang
1110	1	United States	A123-owned	Pending	ORD	13/702,046	12/4/2012			CLIMPED, PRISMATIC BATTERY STRUCTURE	Viet Vu, et al.
1128		PCT	A123-owned	Pending	PCT/US11/57852	10/26/2011				BATTERY BALANCING SYSTEM (aka Raak-Balancer - Part of SSGS redesign)	Peter Gottlieb
1128		United States	A123-owned	Pending		12914,006	10/29/2010			BATTERY BALANCING SYSTEM (aka Raak-Balancer - Part of SSGS redesign)	Peter Gottlieb
1133		China	A123-owned	Pending	LM					System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englett Brian Rutkowski
1133		Japan	A123-owned	Pending	ORD					System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englett Brian Rutkowski
1133		PCT	A123-owned	Pending	ORD	13/701,777	12/9/2012			System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englett Brian Rutkowski
1133		PCT	A123-owned	Pending	ORD	PCT/US2011/038073	5/26/2011			System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englett Brian Rutkowski
1134		China	A123-owned	Pending	ORD					Banding of Battery Modules	Adnan Ahmad
1134		Japan	A123-owned	Pending	ORD					Battery Usable Capacity Extension	Paul Firehammer Brian Moorhead
1135		PCT	A123-owned	Pending	ORD	US2011/041361	6/22/2011			Battery Usable Capacity Extension	Paul Firehammer Brian Moorhead
1135		United States	A123-owned	Pending	ORD	12/820,433	6/22/2010			Battery Usable Capacity Extension	Paul Firehammer Brian Moorhead
1136		PCT	A123-owned	Pending	ORD	US2011/041362	6/22/2011			System and method for managing change within a battery pack	Paul Firehammer Brian Moorhead

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1136		United States	A123-owned	Pending		12820,421	6/22/2010			System and method for managing charge within a battery pack	Paul Frenhamer Brian Moorhead
1138		United States	A123-owned	Pending	ORD	12854,474	8/11/2010			Battery Management System Parasitic Power Reduction via Selective Sample Rate	Brian Moorhead Brian Butkowski
1140		PCT	A123-owned	Pending		US2011/041365	6/22/2011			System and Method for Balancing Voltage of Individual Battery Cells Within a Battery Pack	Benjamin Sinsheimer Paul W. Frenhamer
1140		United States	A123-owned	Pending		12820,411	6/22/2010			System and Method for Balancing Voltage of Individual Battery Cells Within a Battery Pack	Benjamin Sinsheimer Paul W. Frenhamer
1141		PCT	A123-owned	Pending		PCT/US2012/028039	3/7/2011			method for opportunistically balancing charge between battery cells	Moorhead
1145		PCT	A123-owned	Pending		PCT/US11/56118	10/13/2011			INTEGRAL BATTERY TAB	Nicholas Varano, Michael Barone
1151		China	A123-owned	Pending	PCT	201080000568.80	1/11/2010			BI-METALLIC BUSBAR JUMPERS AND	Ijaz, Mujeeb, Butt, Shazad M.; Hoslier
1151		Germany	A123-owned	Pending	PCT	112010000785.3	7/11/2011			BI-METALLIC BUSBAR JUMPERS AND	Butt, Shazad M.; Hoslier, Jonathan E.; Ijaz, Mujeeb
1151		Japan	A123-owned	Pending	PCT	10-2011-7018695	7/11/2011			ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hoslier, Jonathan E.; Ijaz, Mujeeb
1151		Korea	A123-owned	Pending	ORD	10-2011-7018695	10/20/2011			BI-METALLIC BUSBAR JUMPERS AND ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hoslier, Jonathan E.; Ijaz, Mujeeb
1151		PCT	A123-owned	Pending	ORD	US10/20636	1/11/2010			BI-METALLIC BUSBAR JUMPERS AND ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hoslier, Jonathan E.; Ijaz, Mujeeb
1151		Taiwan	A123-owned	Pending	ORD	99100675.00	1/12/2010			BI-METALLIC BUSBAR JUMPERS AND ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hoslier, Jonathan E.; Ijaz, Mujeeb
1151		United States	A123-owned	Pending	ORD	12/628780	12/1/2009			BI-METALLIC BUSBAR JUMPERS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hoslier, Jonathan E.; Ijaz, Mujeeb
1152		PCT	A123-owned	Pending	ORD	PCT/US2012/032276	4/5/2011			Extruded cold plate with integrated fluid routing	Jay Murdock; Marcus Erachke
1155		PCT	A123-owned	Pending	ORD	PCT/US2012/033934	4/17/2012			Thermal gap pad for a prismatic battery pack	Allan Alimario, Jason Davis, Chad Allison, Jonathan Hoslier, David Allen
1157		PCT	A123-owned	Pending	PRO	PCT/US2011/055029	10/6/2011			Method for verify Voltage Reference for battery cell monitoring	John Flores and Paul Frenhamer
1158		PCT	A123-owned	Pending	ORD	PCT/US2012/033939	4/17/2012			System and method for balancing charge between battery cells	John Flores and Paul Frenhamer
1160		United States	A123-owned	Pending	PRO	13/540387	7/2/2012			Heterogeneous ohmic contact for a voltaic cell	Chad Allison
1163	1	United States	A123-owned	Pending	ORD	13/344528	8/9/2012			Energy distribution for welding ultrathin electrodes using sacrificial buffer material.	Shazad Butt, John Kim
1164		United States	A123-owned	Pending	PRO	61/570,920	12/15/2011			Hybrid Battery with Boost Energy Transfer Circuit	Michael Wixon, Viet Vu
1170		Korea	Jointly-owned (Lotte)	Pending	PCT	KR2009000132131	12/28/2009			SEPARATOR WITH NANO-SCALED PORES AND ENERGY STORAGE DEVICE INCLUDING THE SAME	Chee-Hyun Kim et al
1170		PCT	Jointly-owned (Lotte)	Pending	PCT	WO2010/KR0009441	12/28/2010			SEPARATOR WITH NANO-SCALED PORES AND ENERGY STORAGE DEVICE INCLUDING THE SAME	Chee-Hyun Kim et al
1183		PCT	A123-owned	Pending		PCT/US12/48148	7/25/2012			BLENDED CATHODE MATERIALS	Sang Young YOON, Pooon JOCCO, Jeong Ju CHO, Chuanling X
1183	1	United States	A123-owned	Pending	PRO	61/564532	8/17/2011			Blended Cathode Materials	Sang-Young Yoon, Pooon Jooco, Jeong Ju Cho
1188		PCT	A123-owned	Pending	ORD					Method to connect a Printed Circuit Board Assembly to a battery pack to control voltage power up	Peter A. Finn
1188		United States	A123-owned	Pending	PRO	61/592415	1/30/2012			Method to connect a Printed Circuit Board Assembly to a battery pack to control voltage power up	Peter A. Finn

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1189		PCT	A123-owned	Pending	ORD	PCT/US1256476	10/2/2012			CATHODE MATERIALS INCLUDING AN OXYGEN-GETTERING COMPOUND AND AN ION-STOREAGE COMPOUND	Karen Thomas-Alyea
1187		United States	A123-owned	Pending	ORD	13520319	7/2/2012			Battery Module System	Jason R. Davis
1188		United States	A123-owned	Pending	PRO	616593,980	2/2/2012			FAST-CHARGE BATTERY WITH REDUCED RATE OF CAPACITY FADE	Karen Thomas-Alyea
1189	1	United States	A123-owned	Pending	PRO	61658704	6/12/2012			Lithium Ion Cell with Non-Aqueous Electrolyte with a Solvent Including an S—O Bond	Jeong-Lu Cho
1189	2	United States	A123-owned	Pending	PRO	61658712	6/12/2012			Microhybrid Battery	Jeong-Lu Cho
1189		United States	A123-owned	Pending	PRO	61654068	2/2/2012			Ethylene Sulfonate electrolyte additive	Jeong-Lu Cho
1201		United States	A123-owned	Pending	PRO	61662038	4/5/2012			Prismatic cell comprising multi-jelly rolls with the cathode sheet between the jelly rolls	Sang-Young Yoon
1202		United States	A123-owned	Pending	PRO	61649562	5/21/2012			Multi-Cell Lithium-Ion Battery	William Gardner
1205		United States	A123-owned	Pending	PRO	61616668	3/28/2012			ELECTROLYTE ADDITIVE WITH IMPROVED CYCLE LIFE (e.g. Sulfonoxide pyridine complex)	Jeong-Lu Cho
1207		United States	A123-owned	Pending	PRO	61596824	2/8/2012			Battery Pack Including Fluid Resistant Over-Mold Cover Plate Assembly for Lithium Ion Battery	Michael Diacrio
1217		China	A123-owned	Granted	ORD	sn 200810021136.1	6/17/2005	CN20050021136		Jig for Cylindrical Lithium Ion Battery	Zhao Junfeng
1218		China	A123-owned	Granted	ORD	20062002613.X	3/1/2006	CN2006002613		Lithium Ion Battery Pole Piece Protector	Wu Feichao
1219		China	A123-owned	Granted	ORD	CN101601162A		CN101601162B	12/9/2009	High Performance Anode Material For Lithium-Ion Battery	Wang Chunguang
1220		Japan	Jointly-owned (Toyota + T/J Tech)	Pending	ORD	JP201050072312				High Performance Anode Material For Lithium-Ion Battery	Pu Zhang et al.
1220		Korea	Jointly-owned (Toyota + T/J Tech)	Pending	ORD	2009058517A				High Performance Anode Material For Lithium-Ion Battery	Pu Zhang et al.
1220		Korea	Jointly-owned (Toyota + T/J Tech)	Pending	ORD	2011-112356A				High Performance Anode Material For Lithium-Ion Battery	Pu Zhang et al.
1220		United States	Jointly-owned (Toyota + T/J Tech)	Granted	ORD	463394	8/9/2006	7722991	5/25/2010	High Performance Anode Material For Lithium-Ion Battery	Pu Zhang et al.
1221		Japan	Jointly-owned (Toyota + T/J Tech)	Pending	ORD	2008258143A2	2/7/2008			Tin in an Active Support Matrix	Richard Monique et al.
1221		United States	Jointly-owned (Toyota + T/J Tech)	Granted	ORD	695975	4/3/2007	8039152	10/18/2011	Tin in an Active Support Matrix	Richard Monique et al.
1234		United States	A123-owned	Pending	ORD	13556,816	7/24/2012			Method to weld conductors to cell terminals	Michael Hoff, Louis Perry, Eric Bachell