

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Wanxiang Clean Energy USA Acquisition LLC		01/29/2013	LIMITED LIABILITY COMPANY:

RECEIVING PARTY DATA

Name:	A123 Systems LLC
Street Address:	39000 Seven Mile Rd.
City:	Livonia
State/Country:	MICHIGAN
Postal Code:	48152
Entity Type:	LIMITED LIABILITY COMPANY: DELAWARE

PROPERTY NUMBERS Total: 12

Property Type	Number	Word Mark
Serial Number:	85647690	NANOPHOSPHATE EXT
Registration Number:	3368029	A123
Registration Number:	3368099	A123
Registration Number:	3448278	A123 RACING
Registration Number:	3368030	A123 SYSTEMS
Registration Number:	3680565	ENERLAND
Registration Number:	4020953	HYMOTION
Registration Number:	4020921	HYMOTION
Registration Number:	3368098	
Registration Number:	3905785	NANOPHOSPHATE
Registration Number:	3702159	POWER. SAFETY. LIFE.
Registration Number:	3955573	SGSS

CORRESPONDENCE DATA

CH \$315.00 85647690

Fax Number: 2149813400
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Phone: 214-981-3483
Email: dclark@sidley.com
Correspondent Name: Dusan Clark, Esq.
Address Line 1: Sidley Austin LLP
Address Line 2: 717 N. Harwood St., Suite 3400
Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:	57586-30030
NAME OF SUBMITTER:	Dusan Clark
Signature:	/Dusan Clark/
Date:	06/18/2013

Total Attachments: 30

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Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "WANXIANG CLEAN ENERGY USA ACQUISITION LLC", CHANGING ITS NAME FROM "WANXIANG CLEAN ENERGY USA ACQUISITION LLC" TO "A123 SYSTEMS LLC", FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF JANUARY, A.D. 2013, AT 6:35 O'CLOCK P.M.

5268679 8100

130105426



You may verify this certificate online
at corp.delaware.gov/authver.shtml


Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 0178040

DATE: 01-29-13

TRADEMARK
REEL: 005050 FRAME: 0521

**STATE OF DELAWARE
CERTIFICATE OF AMENDMENT**


1. Name of Limited Liability Company: _____
Wanxiang Clean Energy USA Acquisition LLC (the "Company")

2. The Certificate of Formation of the limited liability company is hereby amended as follows:

The name of the Company is hereby changed by amending Paragraph 1 of the Company's Certificate of Formation to read in its entirety as follows:

"1. The name of the limited liability company is A123 Systems LLC."

IN WITNESS WHEREOF, the undersigned have executed this Certificate on the 29th day of January, A.D. 2013.

By: 
Authorized Person(s)

Name: Daniel (Gang) Li
Print or Type



A123 Systems, Inc.
39000 Seven Mile Rd
Livonia, MI 48152
(617) 778-5700
www.a123systems.com

Consent to Use of Name

A123 Systems, Inc., a corporation organized under the laws of the State of **Delaware** does hereby give its consent for **Wanxiang Clean Energy USA Acquisition LLC**, a Delaware limited liability company, to use the name **A123 Systems LLC** for registration in the state of **Delaware**.

In Witness Whereof, **A123 Systems, Inc.** has caused this consent to be executed this 29th day of January, 2013.

A123 Systems, Inc.

By: _____

Name: David Prystash

Title: Chief Financial Officer

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1018		Korea	A123 Korea	Granted	ORD	10-2003-00084336	8/6/2003	0523728	10/18/2005	SUPERCAPACITOR WITH REDUCED INTERNAL RESISTANCE	Seongwoo Park, Whanjin Roh
1018		United States	A123 Korea	Granted	PCT	10/567243	2/8/2006	7558050	7/7/2009	SUPERCAPACITOR WITH REDUCED INTERNAL RESISTANCE	Seongwoo Park, Whanjin Roh

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1000		Europe	A123-owned	Granted	ORD	095943721.1	12/11/1995	0806507-B	11/19/2003	High Surface Area Nitride, Carbide And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffery M. Parker
1000		Germany	A123-owned	Granted	ORD	95943721.1	12/11/1995	69632172.2		High Surface Area Nitride, Carbide, And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffery M. Parker
1000		Japan	A123-owned	Granted	ORD	8-519,174	12/11/1995	3900903	1/12/2007	High Surface Area Nitride, Carbide, And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffery M. Parker
1000		United Kingdom	A123-owned	Granted	ORD	95943721.1	12/11/1995	806507	12/11/2005	High Surface Area Nitride, Carbide, And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffery M. Parker
1000		United States	A123-owned	Granted	ORD	08/354,289	12/12/1994	5690292	10/21/1997	High Surface Area Nitride, Carbide And Boride Electrodes And Methods Of Fabrication Thereof	Levi T. Thompson, Jr., Michael R. Wixom, Jeffery M. Parker
1001		United States	A123-owned	Granted	ORD	08/818,337	3/14/1997	5688669	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	09/253,966	2/22/1999	6297185	10/2/2001	Catalyst	Levi T. Thompson, Michael Wixom, David Tamowski, Cong Pu
1003		Japan	A123-owned	Granted	ORD	2000-551449	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	08/454,571	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	2455619	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, Yet-Ming Chiang
1005		China	Jointly Owned (MIT)	Granted	PCT	02818161.6	7/26/2002	ZL02818161.6	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, Yet-Ming Chiang
1005		Europe	Jointly Owned (MIT)	Pending	PCT	02768353.0	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, Yet-Ming Chiang
1005		India	Jointly Owned (MIT)	Granted	PCT	118/KOLNP/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, Yet-Ming Chiang
1005		Japan	Jointly Owned (MIT)	Pending	PCT	2009-517975	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, Yet-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, Yet-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, Yet-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, Yet-Ming Chiang
1005	2	United States	Jointly Owned (MIT)	Granted	CON	12/512421	7/30/2009	8188926	5/1/2012	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, Yet-Ming Chiang

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1005	3	United States	Jointly Owned (MIT)	Granted	CON	886035	9/20/2010	7988746	8/2/2011	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, Yet-Ming Chiang
1005	4	United States	Jointly Owned (MIT)	Granted	DIV	13169423	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. Gozdz, Richard K Holman, Andrew Loxley, Yet-Ming Chiang
1005	5	United States	Jointly Owned (MIT)	Granted	CIP	12891637	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	121692460	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	13472351	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	13549084	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 Noh
1007		Korea	A123-owned	Granted	ORD	10-2002-0026784	5/23/2002	0459871	11/24/2004	NONAQUEOUS ELECTROLYTE COMPOSITION FOR BATTERY OR CONDENSER	Hwan-Jin Noh
1008	1	United States	A123-owned	Granted	ORD	10354405	1/30/2003	7087348	8/8/2006	COATED ELECTRODE PARTICLES FOR COMPOSITE ELECTRODES AND ELECTROCHEMICAL CELLS	Yet-Ming Chiang, Antoni S. Gozdz, Andrew Loxley, Richard K Holman, Gilbert N. Riley, Jr., Michael S Viola, Benjamin Nunes, Michele Ostraat
1010	1	United States	A123-owned	Granted	ORD	10628681	7/28/2003	7763382	7/27/2010	BIPOLAR ARTICLES AND RELATED METHODS	Gilbert N. Riley, Yet-Ming Chiang, Antoni S. Gozdz, Ric Fulop, Michael S. Viola
1010	2	United States	A123-owned	Pending	ORD	12816644	6/16/2010			BIPOLAR ARTICLES AND RELATED METHODS	Gilbert N. Riley, Yet-Ming Chiang, Antoni S. Gozdz, Ric Fulop, Michael S. Viola
1011		United States	A123-owned	Granted	ORD	10719382	11/21/2003	6878475	4/12/2005	Membrane For Fuel Cell, And Fuel Cell Incorporating That Membrane	Michael Wixom, Hanwei Lai, Pu Zhang, Junqing Ma
1012		Korea	A123-owned	Granted	ORD	10-2002-0075768	12/22/2002	0509435	8/12/2005	LITHIUM SECONDARY BATTERY AND PREPARATION METHOD THEREOF	Hwan-Jin Noh
1013		Japan	A123-owned	Pending	PCT	2004-562590	12/29/2003			HIGH ENERGY AND POWER DENSITY ELECTROCHEMICAL CELLS	Yet-Ming Chiang, Antoni S. Gozdz, Gilbert N. Riley, Jr.
1013	1	United States	A123-owned	Granted	CON	11159589	6/23/2005	8003250	8/23/2011	HIGH ENERGY AND POWER DENSITY ELECTROCHEMICAL CELLS	Yet-Ming Chiang, Antoni S. Gozdz, Gilbert N. Riley, Jr.
1014		China	A123-owned	Granted	PCT	20046002940.9	1/27/2004	CN100369746	1/2/2006	STACKED LITHIUM SECONDARY BATTERY AND ITS FABRICATION	Hwan-Jin Noh
1014		Korea	A123-owned	Granted	ORD	10-2003-0086350	1/27/2003	0509437	8/12/2005	STACKED LITHIUM SECONDARY BATTERY AND PREPARATION METHOD THEREOF	Hwan-Jin Noh
1014		United States	A123-owned	Granted	PCT	10543552	7/26/2005	8667112	11/29/2011	STACKED LITHIUM SECONDARY BATTERY AND ITS FABRICATION	Hwan-Jin Noh
1015	1	United States	A123-owned	Granted	DIV	12140059	6/18/2008	8088512	1/3/2012	BATTERY STRUCTURES AND RELATED METHODS	Antoni S. Gozdz, Andrew Loxley, Richard K Holman, Ronny Wilkins
1015	2	United States	A123-owned	Pending	DIV	13299582	18-Nov-2011			BATTERY STRUCTURES AND RELATED METHODS	Antoni S. Gozdz, Andrew Loxley, Richard K Holman, Ronny Wilkins
1015		United States	A123-owned	Granted	CIP	10354673	1/30/2003	7387851	6/17/2008	BATTERY STRUCTURES AND RELATED METHODS	Antoni S. Gozdz, Andrew Loxley, Richard K Holman, Ronny Wilkins
1016		Korea	A123-owned	Granted	ORD	10-2003-0026294	4/25/2003	0555848	2/21/2006	METHOD FOR MANUFACTURING STACKED TYPE LITHIUM SECONDARY BATTERY BY ATTACHING ELECTRODE PLATES IN ONE DIRECTION	Hwan-Jin Noh
1017	1	United States	A123-owned	Granted	ORD	10876179	6/23/2004	7318882	1/15/2008	POLYMER COMPOSITION FOR ENCAPSULATION OF ELECTRODE PARTICLES	Anthony E Pullen, Andrew Loxley, Antoni S. Gozdz

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	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, InJae Bae, Pu Zhang, Timothy K. Sendeck, Elizabeth Mueller, Hanwei Lei
1020		United States	A123-owned	Granted	ORD	10/759,346	1/18/2004	7169328	1/30/2007	Multiphase Nanocomposite Material And Method For Its Manufacture	John Miller, Liya Wang
1021		Europe	A123-owned	Pending	ORD	04706469.6	8/25/2005			Composite Material And Electrodes Made Therefrom	Liya Wang, Chuanjing Xu, John M. Miller
1021		Japan	A123-owned	Granted	ORD	2006-503129	1/29/2004	4766527	7/22/2011	Composite Material And Electrodes Made Therefrom	Liya Wang, Chuanjing 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	Liya Wang, Chuanjing Xu, John M. Miller
1022		Australia	A123-owned	Granted	PCT	2005213420	2/7/2005	2005213420	2/7/2011	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Gozdz, Yet-Ming Chiang
1022		Canada	A123-owned	Pending	PCT	2555521	2/7/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Gozdz, Yet-Ming Chiang
1022		China	A123-owned	Pending	PCT	20056000019.5	2/7/2005			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Gozdz, Yet-Ming 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 Gozdz, Yet-Ming 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 Gozdz, Yet-Ming 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 Gozdz, Yet-Ming 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 Gozdz, Yet-Ming 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 Gozdz, Yet-Ming 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 Gozdz, Yet-Ming Chiang
1022	1	United States	A123-owned	Granted	ORD	11/052971	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 Gozdz, Yet-Ming 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 Gozdz, Yet-Ming Chiang
1022	3	United States	A123-owned	Granted	CON	11/639947	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 Gozdz, Yet-Ming Chiang
1022	3	United States	A123-owned	Granted	CON	12/680558	13-Sep-2010	8080938	12/20/2011	LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY	Gilbert N Riley, Jr., Andrew C Chu, Antoni S Gozdz, Yet-Ming 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 Ribordy
1023		China	A123-owned	Granted	PCT	200560016485.6	4/28/2005	ZL200560016485.6	9/16/2009	LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ribordy
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 Ribordy
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 Ribordy
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 Ribordy
1023	1	United States	A123-owned	Granted	ORD	11/117157	4/28/2005	7667651	1/11/2011	LOW IMPEDANCE LAYERED BATTERY APPARATUS AND METHOD FOR MAKING THE SAME	Gilbert N Riley, James Ribordy
1025		Canada	A123-owned	Pending	PCT	2586237	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixon, Chuanjing Xu

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1025		China	A123-owned	Granted	PCT	200680041436.4	11/2/2005	ZL200580041436.4	11/11/2009	METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixom, Chuanjing Xu
1025		Germany	A123-owned	Pending	PCT	112005002725.2	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixom, Chuanjing Xu
1025		India	A123-owned	Pending	PCT	S770/DELNP/2007	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixom, Chuanjing Xu
1025		Japan	A123-owned	Pending	PCT	2007-540397	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixom, Chuanjing Xu
1025		Korea	A123-owned	Pending	PCT	10-2007-7010945	11/2/2005			METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixom, Chuanjing Xu
1025	1	United States	A123-owned	Granted	ORD	11/261349	10/28/2005	7282301	10/16/2007	METHOD FOR MAKING A COMPOSITE ELECTRODE MATERIAL	Michael Wixom, Chuanjing Xu
1027		Canada	A123-owned	Pending	PCT	2396809	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027		China	A123-owned	Pending	PCT	200680010541.6	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027		Germany	A123-owned	Pending	PCT	112006000326.7	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027		India	A123-owned	Pending	PCT	6808/DELNP/2007	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027		Japan	A123-owned	Pending	PCT	2007-554308	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027		Korea	A123-owned	Pending	PCT	10-2007-7020020	2/3/2006			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027	1	United States	A123-owned	Granted	ORD	11/345982	2/2/2006	7842420	11/30/2010	ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027	2	United States	A123-owned	Granted	ORD	12/956091	11/29/2010	8187753	5/29/2012	ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing Xu
1027	3	United States	A123-owned	Pending	ORD	13/449938	4/18/2012			ELECTRODE MATERIAL WITH ENHANCED IONIC TRANSPORT PROPERTIES	Michael Wixom, Chuanjing 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, Wan Jin Roh, Seong-Woo Park, Dong Hwan Jang, Yeon Bok Jeong, Sung Cheul Park
1031		Korea	A123-owned	Granted	UTM	20-2005-0016825	6/15/2005	0694701	8/29/2005	LITHIUM SECONDARY BATTERY HAVING ANODE LEAD AND CATHODE LEAD OPPOSITIVELY PROJECTED FROM POUCH	Hwan-Jin No, Byeong-Su Jeong, Seong-U Park
1033		China	A123-owned	Pending	PCT	200680035978.5	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1033		Europe	A123-owned	Pending	PCT	06851633.5	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1033		Japan	A123-owned	Pending	PCT	2006-536570	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1033		Korea	A123-owned	Pending	PCT	10-2006-7085568	8/3/2006			NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1033		Taiwan	A123-owned	Pending	ORD	95123015	8/8/2006			NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1033	1	United States	A123-owned	Granted	ORD	11/396515	4/3/2006	7939201	5/10/2011	NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1033	2	United States	A123-owned	Granted	ORD	13/087845	4/15/2011	8057938	11/15/2011	NANOSCALE ION STORAGE MATERIALS	Yei-Ming Chiang, Antoni S. Gozdz, Martin W Payne
1034		China	A123-owned	Granted	PCT	200680039326.9	9/1/2006	ZL200380039326.9		BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jona n S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
1034		Europe	A123-owned	Pending	PCT	06814143.1	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jona n S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu

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1034		India	A123-owned	Pending	PCT	976/KOLNP/2008	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonathan S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
1034		Japan	A123-owned	Pending	PCT	2008-528359	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonathan S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
1034		Korea	A123-owned	Pending	PCT	10-2008-7007596	9/1/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonathan S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
1034		Taiwan	A123-owned	Pending	ORD	95132535	9/4/2006			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonathan S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
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	Jonathan S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
1034	2	United States	A123-owned	Pending	DIV	13/087845	4/15/2011			BATTERY CELL DESIGN AND METHOD OF ITS CONSTRUCTION	Jonathan S Myerberg, Donald C Dafoe, Hung-Chieh Shiao, Grace S Chang, Andrew C Chu
1035		China	A123-owned	Pending	PCT	200680093929.2	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1035		Europe	A123-owned	Pending	PCT	06851818.2	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1035		India	A123-owned	Pending	PCT	1196/KOLNP/2008	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1035		Japan	A123-owned	Pending	PCT	2008-505349	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1035		Korea	A123-owned	Pending	PCT	10-2008-7007581	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1035		Taiwan	A123-owned	Pending	ORD	95132534	9/4/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1035		United States	A123-owned	Pending	ORD	11/515633	9/5/2006			NANOCOMPOSITE ELECTRODES AND RELATED DEVICES	Ronnie D Wilkins, Gung-Chieh Shiao, Antoni S Cozzò
1036		China	A123-owned	Pending	PCT	200680040767.0	9/11/2006			LITHIUM SECONDARY CELL WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY AND LOW IMPEDANCE GROWTH	Ricardo Fulop, Roger Lin, Andrew C. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
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. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
1036		India	A123-owned	Pending	PCT	1060/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. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
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. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
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. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
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. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
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. Chu, Gilbert N Riley, Jr., Yet-Ming Chiang, Antoni S Cozzò
1037		Korea	A123-owned	Granted	ORD	10-2005-0087831	9/21/2005	10-0638431	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	200680061496.9	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Europe	A123-owned	Pending	PCT	06844738.2	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Japan	A123-owned	Pending	PCT	2008-549508	12/1/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yet-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	Yet-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038		Taiwan	A123-owned	Pending	ORD	95144934	12/4/2006			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038	1	United States	A123-owned	Granted	CJP	11/807525	12/1/2006	8158090	4/17/2012	AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chang, Nonglak Meethong, Anthony E Pullen
1038	2	United States	A123-owned	Pending	CON	13/446694	4/13/2012			AMORPHOUS AND PARTIALLY AMORPHOUS NANOSCALE ION STORAGE MATERIALS	Yet-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 Gozdz, Charles E Marin, Gilbert N Riley, Jr.
1039		Europe	A123-owned	Pending	PCT	07797450.9	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Gozdz, Charles E Marin, Gilbert N Riley, Jr.
1039		Hong Kong	A123-owned	Pending	ORD	08111095.1	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Gozdz, Charles E Marin, Gilbert N Riley, Jr.
1039		Japan	A123-owned	Pending	PCT	2009-510194	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Gozdz, Charles E Marin, Gilbert N Riley, Jr.
1039		Korea	A123-owned	Pending	PCT	10-2008-7029035	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Gozdz, Charles E Marin, Gilbert N Riley, Jr.
1039		Taiwan	A123-owned	Pending	ORD	96118656	5/11/2007			USE OF A HEATED BASE TO ACCELERATE REMOVAL OF COATED ELECTRODE IN THE PRESENCE OF A SOLVENT	Antoni S Gozdz, Charles E Marin, Gilbert N Riley, Jr.
1039	1	United States	A123-owned	Pending	ORD	11/809308	5/14/2007			APPARATUS AND METHOD FOR PROCESSING A COATED SHEET	Antoni S Gozdz, Charles E Marin, 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, Jonah S Myerberg, Michael C Hoffman, Greg Tremelling, Benjamin C Saffer
1040		Europe	A123-owned	Pending	PCT	07783768.2	5/15/2007			MULTI CONFIGURABLE SCALABLE, REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Jonah S Myerberg, Michael C Hoffman, Greg Tremelling, Benjamin C Saffer
1040		Japan	A123-owned	Pending	PCT	2008-511206	5/15/2007			MULTI CONFIGURABLE SCALABLE, REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Jonah S Myerberg, Michael C Hoffman, Greg Tremelling, Benjamin C Saffer
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, Jonah S Myerberg, Michael C Hoffman, Greg Tremelling, Benjamin C Saffer
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, Jonah S Myerberg, Michael C Hoffman, Greg Tremelling, Benjamin C Saffer
1040	1	United States	A123-owned	Granted	ORD	11/809424	5/15/2007	7,990,101	8/2/2011	MULTI CONFIGURABLE SCALABLE, REDUNDANT BATTERY MODULE WITH MULTIPLE FAULT TOLERANCE	Andrew C Chu, Ricardo Fulop, Jonah S Myerberg, Michael C Hoffman, Greg Tremelling, Benjamin C Saffer
1041	1	United States	A123-owned	Granted	CJP	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 Gozdz, 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	Akos Toth, Nader Zaag
1046		Europe	A123-owned	Pending	PCT	07796941.8	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Akos Toth, Nader Zaag
1046		Japan	A123-owned	Pending	PCT	2009-520935	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Akos Toth, Nader Zaag
1046		Korea	A123-owned	Pending	PCT	10-2009-7002586	7/19/2007			METHOD AND SYSTEM FOR MONITORING AND BALANCING CELLS IN BATTERY PACKS	Akos Toth, Nader Zaag

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1046	1	United States	A123-owned	Granted	ORD	11780296	7/19/2007	7723955	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	Biyng Hwang, 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	Biyng Hwang, 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	Biyng Hwang, 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	Biyng Hwang, Suresh Mani, Jun Q. Chin
1049		China	A123-owned	Pending	PCT	200680009462.2	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1049		Europe	A123-owned	Pending	PCT	08782740.8	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1049		Japan	A123-owned	Pending	PCT	2009-549177	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1049		Korea	A123-owned	Pending	PCT	10-2009-7018694	1/31/2008			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1049		Taiwan	A123-owned	Pending	ORD	97103922	2/1/2008			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1049	1	United States	A123-owned	Pending	CIP	11/672931	2/8/2007			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1049	2	United States	A123-owned	Pending	CIP	13/690,873	11/30/2012			NANOSCALE ION STORAGE MATERIALS	Yet-Ming Chiang, Martin W. Payne, Antoni S Cozzò
1050		Canada	A123-owned	Pending	PCT	2877847	2/8/2008			CONTROL SYSTEM AND HYBRID VEHICLES WITH RECONFIGURABLE MULTI-FUNCTION POWER CONVERTER	Akos Toth
1050		China	A123-owned	Pending	PCT	200680009239.8	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	2830/KOLNP/2008	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	10-2009-7018739	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	08759638.6	6/2/2008			SEPARATOR INCLUDING ELECTROACTIVE MATERIAL FOR OVERCHARGE PROTECTION	Susan J Babinec, Karen E Thomas-Alyea, 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-Alyea, Richard K Holman
1052	1	United States	A123-owned	Granted	DIW	972,761	12/20/2010	7879493	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	11/757,856	6/4/2007	7867851	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	10772/DELNP/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	2009-514491	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	11/954,966	12/12/2007	8076030	12/13/2011	Alkali Metal Titanates, And Electrodes And Batteries Based On The Same	Pu Zhang, Suresh Mani, Yet-Ming Chiang, Shin-Chieh Yin, Brian Clonnski, Young Jang II, Christopher Silkowski, Michael R. Wixom
1054		China	A123-owned	Pending	PCT	200880024880.3	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	2010-511425	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	12/135703	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	200880105630.8	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, Yet-Ming Chiang, Yu-Hua Kao, Young-H Jang
1055		Europe	A123-owned	Pending	PCT	08798171.0	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, Yet-Ming Chiang, Yu-Hua Kao, Young-H Jang
1055		India	A123-owned	Pending	PCT	179/KOLNP/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, Yet-Ming Chiang, Yu-Hua Kao, Young-H Jang
1055		Japan	A123-owned	Pending	PCT	2010-516283	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, Yet-Ming Chiang, Yu-Hua Kao, Young-H 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, Yet-Ming Chiang, Yu-Hua Kao, Young-H Jang
1055		Taiwan	A123-owned	Pending	ORD	97126862	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, Yet-Ming Chiang, Yu-Hua Kao, Young-H 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-H Jang, Yu-Hua Kao, Yet-Ming Chiang, Nonglak Meethong, Karen E Thomas-Alyea, Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr.

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1055	4	United States	A123-owned	Pending	ORD	13/482649	5/29/2012			MULTIFUNCTIONAL MIXED METAL OLIVINES FOR LITHIUM BATTERIES	Young-H Jang, Yi-Hua Kao, Yet-Ming Chiang, Nonglak Meethong, Karen E Thomas-Alyea, Andrew C Chu, Anthony E Pullen, Gilbert N Riley, Jr.
1056		China	A123-owned	Pending	PCT	200680105517.X	7/24/2008			BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION	William H Gardner, Grace S Chiang
1056		Europe	A123-owned	Pending	PCT	06796559.6	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	2010-518388	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	200680112036.8	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	06827765.8	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	200680115322.3	9/15/2008			LITHIUM RECHARGABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yet-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059		Europe	A123-owned	Pending	PCT	06830865.0	9/15/2008			LITHIUM RECHARGABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yet-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059		Japan	A123-owned	Pending	PCT	2010-525072	9/15/2008			LITHIUM RECHARGABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yet-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059		Korea	A123-owned	Pending	PCT	10-2010-7008020	9/15/2008			LITHIUM RECHARGABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yet-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1059	2	United States	A123-owned	Granted	ORD	12/210612	9/15/2008	8163410	4/24/2012	LITHIUM RECHARGABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yet-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 RECHARGABLE CELL WITH REFERENCE ELECTRODE FOR STATE OF HEALTH MONITORING	Yet-Ming Chiang, William E Gardner, Karen E Thomas-Alyea, Ricardo Fulop
1060		China	A123-owned	Pending	PCT	200680109165.5	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	06833067.5	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	2010-527240	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.

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1061		China	A123-owned	Pending	PCT	20680123705.5	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		Europe	A123-owned	Pending	PCT	8856394.8	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	97146044	11/27/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1061		United States	A123-owned	Pending	ORD	12/323197	11/25/2008			BATTERY CELL DESIGN WITH ASYMMETRICAL TERMINALS	William H Gardner, Stephen Tillmann
1062		China	A123-owned	Pending	PCT	20090105552.6	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuanjing Xu, Liya Wang, Phillip Sholes, Anthony E Pullen
1062		Europe	A123-owned	Pending	PCT	9701906.1	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuanjing Xu, Liya Wang, Phillip Sholes, 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, Chuanjing Xu, Liya Wang, Phillip Sholes, 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, Chuanjing Xu, Liya Wang, Phillip Sholes, Anthony E Pullen
1062		Korea	A123-owned	Pending	PCT	10-2010-2018196	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuanjing Xu, Liya Wang, Phillip Sholes, Anthony E Pullen
1062		Taiwan	A123-owned	Pending	ORD	98101642	1/17/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuanjing Xu, Liya Wang, Phillip Sholes, Anthony E Pullen
1062	1	United States	A123-owned	Pending	ORD	12/357008	1/21/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES	Larry W Beck, Chuanjing Xu, Liya Wang, Phillip Sholes, Anthony E Pullen
1063		Canada	A123-owned	Pending	ORD	2719764				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1063		China	A123-owned	Pending	ORD	20090117447.4				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1063		Europe	A123-owned	Pending	ORD	09724612.8				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1063		India	A123-owned	Pending	ORD	3978/KOLNP/2010				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1063		Japan	A123-owned	Pending	ORD	2011-502033				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1063		Korea	A123-owned	Pending	ORD	10-2010-7023387				HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1063	1	United States	A123-owned	Pending	ORD	12/411380	3/25/2009			HIGH ENERGY HIGH POWER ELECTRODES AND BATTERIES	Yet-Ming Chiang, Michael Wxom, Andrew C Chu, Young-I Jang
1064		Brazil	A123-owned	Pending	ORD	PI0910105-5				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	20090116991.7				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	2272148				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACITORS	Michael C Hoff
1064		India	A123-owned	Pending	ORD	3892/KOLNP/2010				METHOD FOR DETECTING CELL STATE-OF-CHARGE AND STATE-OF-DISCHARGE DIVERGENCE OF A SERIES STRING OF BATTERIES OR CAPACITORS	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 CAPACITORS	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 CAPACITORS	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 CAPACITORS	Michael C Hoff
1065		Brazil	A123-owned	Pending	ORD	PI0911250-2				FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Jostler, Brian Rutkowski, Saezad Butt
1065		Europe	A123-owned	Pending	ORD	09767187.1				FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Jostler, Brian Rutkowski, Saezad Butt
1065		Japan	A123-owned	Pending	ORD	2011-505152				FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Jostler, Brian Rutkowski, Saezad Butt
1065	1	United States	A123-owned	Pending	ORD	12/423739	4/14/2009			FLEXIBLE VOLTAGE NESTED BATTERY MODULE DESIGN	Mujeeb Ijaz, Brian Moorhead, Jonathan Jostler, Brian Rutkowski, Saezad 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-Aljaya
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-Srin Hong, Whan Jin Roh, 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	200910258463.7	11/25/2009			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fortaine, Charles E Martin
1070		China	A123-owned	Pending	UTM	200820178049.0	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 Fortaine, 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 Fortaine, Charles E Martin
1070		Japan	A123-owned	Pending	PCT	2011-538844	5/24/2011			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fortaine, Charles E Martin
1070		Korea	A123-owned	Pending	PCT	10-2011-7014265	5/25/2011			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Lucien Fortaine, Charles E Martin

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1070		Taiwan	A123-owned	Pending	ORD	96114298	12/22/2009			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Ludien Fontaine, Charles E Martin
1070	1	United States	A123-owned	Pending	ORD	12/623967	11/29/2009			METHOD AND DESIGN FOR EXTERNALLY APPLIED LASER WELDING OF INTERNAL CONNECTIONS IN A HIGH POWER ELECTROCHEMICAL CELL	William H Gardner, Ludien Fontaine, Charles E Martin
1071		China	A123-owned	Pending	ORD	200960103123.5	1/9/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqing Ma, Liya Wang
1071		Japan	A123-owned	Pending	ORD	2010-542364	1/9/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqing Ma, Liya Wang
1071		Korea	A123-owned	Pending	ORD	10-2010-7017817	1/9/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqing Ma, Liya 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, Junqing Ma, Liya Wang
1071		United States	A123-owned	Pending	ORD	12/350,631	1/8/2009			Silicon Based Composite Material	Pu Zhang, Suresh Mani, Junqing Ma, Liya Wang
1072	1	China	A123-owned	Pending	ORD	201060011817.9	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	201060011817.9	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	99100669	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	12/685638	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	12/626609	12/1/2009	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	13/441078	4/6/2012			PRISMATIC BATTERY MODULE WITH SCALABLE ARCHITECTURE	Shazad Butt, Jonathan Hostler, Mujeeb Ijaz
1074		United States	A123-owned	Pending	ORD	12/626786	12/1/2009			BUSBAR SUPPORTS AND METHODS OF THEIR USE FOR BATTERY SYSTEMS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler
1075		China	A123-owned	Pending	PCT	2010380003568.3	1/11/2010			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinshemer, 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 Sinshemer, 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 Sinshemer, 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 Sinshemer, Chad Jeremy Allison
1075		United States	A123-owned	Pending	ORD	12/626796	12/1/2009			FUSE FOR BATTERY CELLS	Mujeeb Ijaz, Shazad Butt, Jonathan Hostler, Brian David Rutkowski, Benjamin Jay Sinshemer, 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 Ron

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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 Ron
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 Ron
1076	1	United States	A123-owned	Pending	ORD	12/628713	12/1/2009	8,257,848	9/4/2012	SAFETY VENTING MECHANISM FOR BATTERIES	Andrew Hong, Mujeeb Ijaz, Jonathan Hostler, Shazad Butt, Whan Jin Ron
1076	2	United States	A123-owned	Pending	ORD	12/628733	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	12/628699	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 Moorhead
1079		Korea	A123-owned	Pending	ORD	10-2012-7000690	1/9/2012			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moorhead
1079		UK	A123-owned	Pending	ORD	1200045.1	1/4/2012			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moorhead
1079		United States	A123-owned	Pending	ORD	13/576,572	12/8/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moorhead
1080		China	A123-owned	Pending	ORD		12/10/2011			System and method for a battery pack output contactor	Brian Rutkowski, Brian Moorhead
1080		Germany	A123-owned	Pending	ORD		12/10/2011			System and method for a battery pack output contactor	Brian Rutkowski, Brian Moorhead
1080		Japan	A123-owned	Pending	ORD		12/10/2011			System and method for a battery pack output contactor	Brian Rutkowski, Brian Moorhead
1080		Korea	A123-owned	Pending	ORD	10-2012-7000621	1/9/2012			System and method for a battery pack output contactor	Brian Rutkowski, Brian Moorhead
1080		United States	A123-owned	Pending	ORD	13/376598	12/6/2011			System and method for a battery pack output contactor	Brian Rutkowski, Brian Moorhead
1081		China	A123-owned	Pending	ORD		12/10/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moorhead
1081		Korea	A123-owned	Pending	ORD	10-2012-7000688	1/9/2012			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moorhead
1081		United States	A123-owned	Pending	ORD	13/376599	12/6/2011			System and method for controlling output of a battery pack	Brian Rutkowski, Brian Moorhead
1082		Korea	A123-owned	Pending	ORD	10-2012-7000651	1/9/2012			BATTERY NETWORK WITH HARDWARE WATCHDOG	Brian Moorhead, Brian Rutkowski, Paul W Firehammer, John W Wagner
1082	1	United States	A123-owned	Pending	ORD	12/796,810	6/10/2010			BATTERY NETWORK WITH HARDWARE WATCHDOG	Brian Moorhead, Brian Rutkowski, Paul W Firehammer, John W Wagner
1082		United States	A123-owned	Pending	PRO	61/185774	6/10/2009			BATTERY NETWORK WITH HARDWARE WATCHDOG	Brian Moorhead, Brian Rutkowski, Paul W Firehammer, John W Wagner
1083		PCT	A123-owned	Pending	ORD	US10/39629	6/23/2010			BATTERY ELECTRODES AND METHODS OF MANUFACTURE	Shen J Dillon, Yet-Ming Chiang
1083		Taiwan	A123-owned	Pending	ORD	99120445	6/23/2010			BATTERY ELECTRODES AND METHODS OF MANUFACTURE	Shen J Dillon, Yet-Ming Chiang
1083	1	United States	A123-owned	Pending	PRO	12/821779	6/23/2010			BATTERY ELECTRODES AND METHODS OF MANUFACTURE	Shen J Dillon, Yet-Ming Chiang
1084		Korea	A123-owned	Pending	ORD	10-2012-7007642					
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	Chuangjing Xu, Lamy W Beck, Young-Il Jang
1084		TW	A123-owned	Pending	ORD	99128478				MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangjing Xu, Lamy W Beck, Young-Il Jang
1084	1	United States	A123-owned	Pending	ORD	12/888530	8/25/2010			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangjing Xu, Lamy W Beck, Young-Il Jang

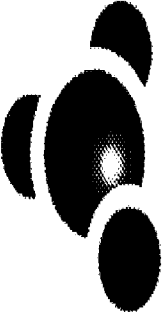

A123 Case Number	A123 Sub-Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1064		United States	A123-owned	Pending	PRO	611236662	8/25/2009			MIXED METAL OLIVINE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES HAVING IMPROVED SPECIFIC CAPACITY AND ENERGY DENSITY	Chuangqing Xu, Larry W Beck, Young-Il Jang
1065		PCT	A123-owned	Pending	ORD	US10/49460	9/20/2010			FERRIC PHOSPHATE DIHYDRATE AS LITHIUM IRON PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Mahrokh Soltani, Larry W Beck, Liya Wang
1065		Taiwan	A123-owned	Pending	ORD	99131826				FERRIC PHOSPHATE DIHYDRATE AS LITHIUM IRON PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Mahrokh Soltani, Larry W Beck, Liya Wang
1065	1	United States	A123-owned	Pending	ORD	12/885907	20-Sep-2010			FERRIC PHOSPHATE DIHYDRATE AS LITHIUM IRON PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Mahrokh Soltani, Larry W Beck, Liya Wang
1065		United States	A123-owned	Pending	PRO	61/243846	9/18/2009			FERRIC PHOSPHATE DIHYDRATE AS LITHIUM IRON PHOSPHATE SYNTHETIC PRECURSOR AND METHOD OF PREPARATION THEREOF	Mahrokh Soltani, Larry W Beck, Liya Wang
1066		PCT	A123-owned	Pending	ORD	US10/50627				BATTERY-BASED COUNTERMEASURE FOR BULK ELECTRIC SYSTEM DELAYED VOLTAGE RECOVERY	Charles Vartanian, David Colucci, Peter Gottlieb, Michael C Hoffman
1066	1	United States	A123-owned	Pending	ORD	12/691,945	9/28/2010			BATTERY-BASED COUNTERMEASURE FOR BULK ELECTRIC SYSTEM DELAYED VOLTAGE RECOVERY	Charles Vartanian, David Colucci, Peter Gottlieb, Michael C Hoffman
1067		PCT	A123-owned	Pending	ORD	2011/063132	5/26/2011			COMPOSITE SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Patrick Hagans, William Hicks, Yet-Ming Chiang, Susan J Babinec
1067		United States	A123-owned	Pending	ORD	13/509,896	5/15/2012			COMPOSITE SEPARATOR FOR ELECTROCHEMICAL CELL AND METHOD FOR ITS MANUFACTURE	Patrick Hagans, William Hicks, Yet-Ming Chiang, Susan J Babinec
1091		United States	A123-owned	Pending	ORD	13/513,342	6/1/2012			ELECTRICAL INSULATOR FOR ELECTROCHEMICAL CELL	William H Gardner, Lucine Fontaine, Charles E Marin, Keith M Bibby, Dale Beaver
1092	1	United States	A123-owned	Pending	ORD	13/513,024	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 Pevear
1093		Europe	A123-owned	Pending	ORD					AUTOMOTIVE BATTERY WITH INTEGRATED POWER MANAGEMENT SYSTEM AND SCALABLE BATTERY CUTOFF COMPONENT	Brian J Pevear
1093	1	United States	A123-owned	Pending	ORD	13/513,666	6/4/2012			AUTOMOTIVE BATTERY WITH INTEGRATED POWER MANAGEMENT SYSTEM AND SCALABLE BATTERY CUTOFF COMPONENT	Brian J Pevear
1094	1	United States	A123-owned	Pending	ORD	13/578,876	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. Rutkowski, Shazad Mahmood Butt
1095		United States	A123-owned	Pending	ORD	13/514711	6/8/2012			System and Method for Estimating a State of a Battery Pack	Gary R. O'Brien, Brian D. Rutkowski, Shazad Mahmood Butt
1096		United States	A123-owned	Pending	ORD	13/517903	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. Firehammer, John H. Floros
1097	1	United States	A123-owned	Pending	ORD	13/520,319	7/2/2012			Battery Module System	Jason Davis, Marius Enache
1098		PCT	A123-owned	Pending	ORD	PCT/US11/20076	1/4/2011			System and Method for Monitoring and Balancing Voltage of Individual Battery Cells Within a Battery Pack	Paul W. Firehammer, Brian C. Moorhead

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1098	1	United States	A123-owned	Pending	PCT	13/520534	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	12/799,810	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	13573257	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	13/578,590	8/10/2012			System and Method for Assessing Voltage Threshold Detecting Circuitry Within a Battery Pack	Paul W. Firehammer John H. Florus
1102	1	United States	A123-owned	Pending	ORD	13/578,169	8/9/2012			TEMPERATURE CONTROLLED PARALLEL BALANCING	David Colucci, Tom De Lucia, 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, Maha Hamoud, Adam Rand, Liya Wang
1104	2	United States	A123-owned	Pending	ORD	13/582,778	9/5/2012			DESIGN AND FABRICATION OF ELECTRODES WITH GRADIENTS	Richard K Holman, Susan J Babiniec, Karen E Thomas-Alyea, Gilbert N Riley, Jr.
1106		China	A123-owned	Pending	ORD	CN 201190000462	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	13/636,327	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	13/636,319	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	13/079683	4/4/2011			LI-ION BATTERY CATHODE MATERIALS WITH INTRINSIC OVER-DISCHARGE PROTECTION	Young-H. Jang
1110	1	United States	A123-owned	Pending	ORD	13/702,046	12/4/2012			CRIMPED, PRISMATIC BATTERY STRUCTURE	Viet Vu et al.
1128		PCT	A123-owned	Pending		PCT/US11/57852	10/26/2011			BATTERY BALANCING SYSTEM (a/k/a Pack-Balancer - Part of SSGS redesign)	Peter Gottlieb
1128		United States	A123-owned	Pending		12/914,006	10/28/2010			BATTERY BALANCING SYSTEM (a/k/a Pack-Balancer - Part of SSGS redesign)	Peter Gottlieb
1133		China	A123-owned	Pending	UM					System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englert Brian Rutkowski
1133		Japan	A123-owned	Pending	ORD					System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englert Brian Rutkowski
1133		PCT	A123-owned	Pending	ORD	13/701,777	12/3/2012			System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englert Brian Rutkowski
1133		PCT	A123-owned	Pending	ORD	PCT/US2011/038073	5/28/2011			System and Method for Monitoring Battery Bus Bars Within a Battery Pack	Kirk Englert Brian Rutkowski
1134		China	A123-owned	Pending	ORD					Banding of Battery Modules	Arian Ahmad
1134		Japan	A123-owned	Pending	ORD					Banding of Battery Modules	Arian Ahmad
1135		PCT	A123-owned	Pending	ORD	US2011/041361	6/22/2011			Battery Useable Capacity Extension	Paul Firehammer Brian Moorhead
1135		United States	A123-owned	Pending	ORD	12/820,493	6/22/2010			Battery Useable Capacity Extension	Paul Firehammer
1136		PCT	A123-owned	Pending	ORD	US2011/041362	6/22/2011			System and method for managing charge within a battery pack	Paul Firehammer Brian Moorhead

A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1136		United States	A123-owned	Pending		12/820,421	6/22/2010			System and method for managing charge within a battery pack	Paul Firehammer Brian Moorhead
1138		United States	A123-owned	Pending	ORD	12/854,274	8/11/2010			Battery Management System Parasitic Power Reduction via Selective Sample Rate	Brian Moorhead Brian Rutkowski
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 Sinshelmer Paul W. Firehammer
1140		United States	A123-owned	Pending		12/820,411	6/22/2010			System and Method for Balancing Voltage of Individual Battery Cells Within a Battery Pack	Benjamin Sinshelmer Paul W. Firehammer
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 Yaramo, Michael Barone
1151		China	A123-owned	Pending	PCT	201080003569.80	1/11/2010			BI-METALLIC BUSBAR JUMPERS AND	Ijaz, Mujeeb; Butt, Shazad M.; Hostler,
1151		Germany	A123-owned	Pending	PCT	112010000785.3	7/11/2011			BI-METALLIC BUSBAR JUMPERS AND	Butt, Shazad M.; Hostler, Jonathan E.; Ijaz,
1151		Japan	A123-owned	Pending	PCT	10-2011-7018895	7/11/2011			BI-METALLIC BUSBAR JUMPERS AND ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hostler, Jonathan E.; Ijaz, Mujeeb
1151		Korea	A123-owned	Pending	ORD	10-2011-7018895	10/20/2011			BI-METALLIC BUSBAR JUMPERS AND ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hostler, Jonathan E.; Ijaz, Mujeeb
1151		PCT	A123-owned	Pending	ORD	US10/20836	1/11/2010			BI-METALLIC BUSBAR JUMPERS AND ASSOCIATED WELDING METHODS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hostler, 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.; Hostler, Jonathan E.; Ijaz, Mujeeb
1151		United States	A123-owned	Pending	ORD	12/828780	12/1/2009			BI-METALLIC BUSBAR JUMPERS FOR BATTERY SYSTEMS	Butt, Shazad M.; Hostler, Jonathan E.; Ijaz, Mujeeb
1152		PCT	A123-owned	Pending	ORD	PCT/US2012/032276	4/5/2011			Extruded cold plate with integrated fluid routing	Jay Murook; Marus Enache
1155		PCT	A123-owned	Pending	ORD	PCT/US2012/033994	4/17/2012			Thermal gap pad for a prismatic battery pack	Allan Almaria; Jason Davis, Chad Allison, Jonathan Hostler, David Allen
1157		PCT	A123-owned	Pending	PRO	PCT/US2011/056029	10/6/2011			Method for verify Voltage Reference for battery cell monitoring	John Fioros and Paul Firehammer
1158		PCT	A123-owned	Pending	ORD	PCT/US2012/033939	4/17/2012			System and method for balancing charge between battery cells	John Fioros and Paul Firehammer
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, Jonn Kim
1164		United States	A123-owned	Pending	PRO	61/570,920	12/15/2011			Hybrid Battery with Boost Energy Transfer Circuit	Michael Wixom, 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	WO2010KR0009441	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/US12/46148	7/25/2012			BLENDED CATHODE MATERIALS	Sang Young YOON, Rocco IOCCO, Jeong Ju CHO, Chuanjing X
1183	1	United States	A123-owned	Pending	PRO	61/524532	8/17/2011			Blended Cathode Materials	Sang-Young Yoon, Rocco Iocco, 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



A123 Case Number	A123 Sub Case	Country	Owner	Status	CaseType	App. No.	Filing Date	Pat. No.	Pat. Date	AppTitle	Inventor
1169		PCT	A123-owned	Pending	ORD	PCT/US12/58476	10/2/2012			CATHODE MATERIALS INCLUDING AN OXYGEN-GETTERING COMPOUND AND AN ION-STORAGE COMPOUND	Karen Thomas-Alyea
1197		United States	A123-owned	Pending	ORD	13520319	7/2/2012			Battery Module System	Jason R. Davis
1198		United States	A123-owned	Pending	PRO	61/583,960	2/2/2012			FAST-CHARGE BATTERY WITH REDUCED RATE OF CAPACITY FADE	Karen Thomas-Alyea
1199	1	United States	A123-owned	Pending	PRO	61/658704	6/12/2012			Lithium Ion Cell with Non-Aqueous Electrolyte with a Solvent Including an S—O Bond	Jeong-Ju Cho
1199	2	United States	A123-owned	Pending	PRO	61/658712	6/12/2012			Microhybrid Battery	Jeong-Ju Cho
1199		United States	A123-owned	Pending	PRO	61/594058	2/2/2012			Ethylene Sulfonate electrolyte additive	Jeong-Ju Cho
1201		United States	A123-owned	Pending	PRO	61/620736	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	61/649562	5/21/2012			Multi-Cell Lithium-Ion Battery	William Gardner
1205		United States	A123-owned	Pending	PRO	61/616668	3/28/2012			ELECTROLYTE ADDITIVE WITH IMPROVED CYCLE LIFE (e.g. Sulfur dioxide pyridine complex)	Jeong-Ju Cho
1207		United States	A123-owned	Pending	PRO	61/596624	2/8/2012			Battery Pack Including Fluid Resistant Over-Mold	Michael Ciaccio
1217		China	A123-owned	Granted	ORD	sn 200510021136.1	6/17/2005	CN20050021136		Cover Plate Assembly for Lithium Ion Battery	Zhao Junfeng
1218		China	A123-owned	Granted	ORD			CN20060002612		Jig for Cylindrical Lithium Ion Battery	Wu Feichao
1219		China	A123-owned	Granted	ORD	200620002613.X	3/1/2006	CN20060002613		Lithium Ion Battery Pole Piece Protector	Wang Chunguang
1220		China	Jointly-owned (Toyota + T.J. Tech)	Granted	ORD	CN101601162A		CN101601162B	12/9/2009	High Performance Anode Material For Lithium-Ion Battery	Pu Zhang et al.
1220		Japan	Jointly-owned (Toyota + T.J. Tech)	Pending	ORD	JP201050072372				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	2011-112358A				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	13/556,816	7/24/2012			Method to weld conductors to cell terminals	Michael Hoff, Louis Perry, Eric Bachtell

Pending Applications

<u>Mark</u>	<u>Country</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Goods or Services</u>	<u>Status</u>
MISCELLANEOUS DESIGN (molecule logo) 	Canada	1357066	07/25/07	Batteries and energy storage products namely, electrical storage batteries, electrical cells and batteries for use in hybrid, plug-in hybrid and electrical vehicles, cordless power tools, aviation engine and power applications, aerospace engine and power applications, electrical power system transmission power sources, and electrical power system frequency regulation and ancillary services	Declaration of Use filed and Registration fees paid – awaiting news of registration
MISCELLANEOUS DESIGN (molecule logo) 	China Madrid Protocol	933520	07/23/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Under examination
NANOPHOSPHATE EXT	United States	85/647690	06/08/12	Batteries; energy storage products, namely, electrical storage batteries, electrical cells [ITU] in Class 9	Awaiting examination




Issued Registrations




<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
A123	Canada	742473	06/23/09	Batteries and energy storage products namely, electrical storage batteries, electrical cells and batteries for use in hybrid, plug-in hybrid and electrical vehicles, cordless power tools, aviation applications, aerospace applications, transmission power sources, frequency regulation and back-up power applications	Renewal due 06/23/24
A123	China Madrid Protocol	931336	07/23/07	Batteries; energy storage products in Class 9	Renewal due under Madrid Protocol 07/23/17
A123	European Community Madrid Protocol	931336	07/23/07	Batteries; energy storage products in Class 9	Renewal due under Madrid Protocol 07/23/17
A123	Korea Madrid Protocol	931336	07/23/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due under Madrid Protocol 07/23/17
A123	Madrid Protocol China European Community South Korea	931336	07/23/07	Batteries; energy storage products, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due 07/23/17
A123	Taiwan	1332642	10/16/08	Batteries; energy storage products, namely electrical storage batteries, electrical cells and batteries in Class 9	Renewal due 10/15/18
A123	United States	3368029	01/15/08	Batteries; energy storage products, namely electrical storage batteries, electrical cells and batteries [03/00/03] in Class 9	Section 8 Affidavit due 01/15/14


<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
A123 and design 	United States	3368099	01/15/08	Batteries; energy storage products, electrical storage batteries, electrical cells and batteries [03/00/03] in Class 9	Section 8 Affidavit due 01/15/14 Registration amended by removing gradient from design
A123 SYSTEMS and design 	Japan	5287584	12/11/09	Batteries; electrical storage batteries; electrical cells and batteries in Class 9	Renewal due 12/11/19
A123 RACING	United States	3448278	06/17/08	Batteries; energy storage products, namely, electrical storage batteries, electrical cells [07/21/06] in Class 9	Section 8 Affidavit due 06/17/14
A123 SYSTEMS	United States	3368030	01/15/08	Batteries; energy storage products, electrical storage batteries, electrical cells and batteries [03/00/03] in Class 9	Section 8 Affidavit due 01/15/14
ENERLAND	United States	3680565	09/08/09	Batteries; energy storage products, namely, electrical storage batteries [01/15/08] in Class 9	Section 8 affidavit due 09/08/15

<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
HYMOTION	Canada	682653	02/28/07	Automotive parts, components and assemblies Designing and manufacturing automotive parts, components and assemblies for others	Renewal due 02/28/22 Assignment recorded from 2080418 Ontario Inc. to A123 Systems, Inc.
HYMOTION	United States	4020953	09/06/11	Battery pack, namely module primarily comprising battery, battery management system for monitoring and managing the condition of the battery pack comprising circuits, safety sensors for detecting the operating condition of the battery pack, and manual interlock to interrupt the current flow out of the battery pack; battery pack, namely module primarily comprising battery, battery management system for monitoring and managing the condition of the battery pack comprising circuits, safety sensors for detecting the operating condition of the battery pack, manual interlock to interrupt the current flow out of the battery pack and power electronics for charging the battery pack and for boosting the battery pack voltage [11/07/05] in Class 9	Section 8 Affidavit due 09/06/17

<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
HYMOTION	United States	4020921	09/06/11	<p>Land vehicles, namely hybrid automobiles and structural parts therefor, hybrid buses and structural parts therefor, hybrid motorcycles and structural parts therefor, hybrid trucks and structural parts therefor, hybrid vans and structural parts therefore, hybrid all-terrain vehicles, hybrid automatic guided vehicles, hybrid cars, hybrid go carts, hybrid motorized golf carts, hybrid ground effect vehicles, hybrid motorized scooters, hybrid snowmobiles, hybrid space vehicles in general and van conversions; hybrid land vehicle parts, components and assemblies, namely aerodynamic fairings, bodies, bumpers, fenders, chassis, seat cushions, sunroofs, axles, brakes, clutches, diesel engines, drive belts, gears, drive gears, engines, motors, shock absorbers, spoilers, tires, transmissions and wheels [07/21/05] in Class 12</p> <p>Custom manufacture of hybrid land vehicles, namely hybrid automobiles, hybrid buses, hybrid carts, hybrid motorcycles, hybrid trucks and hybrid vans as well as parts, components and assemblies therefore [07/21/05] in Class 40</p> <p>Design for others of hybrid land vehicles, namely hybrid automobiles, hybrid buses, hybrid cars, hybrid motorcycles, hybrid trucks and hybrid vans as well as parts, components and assemblies therefor [07/21/05] in Class 42</p>	<p>Section 8 Affidavit due 09/06/17</p> <p>Assignment recorded from 2080418 Ontario Inc. to A123 Systems, Inc.</p>

<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
MISCELLANEOUS DESIGN (molecule logo) 	European Community Madrid Protocol	933520	07/23/07	Batteries; energy storage products, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due under Madrid Protocol 07/23/17
MISCELLANEOUS DESIGN (molecule logo) 	Japan Madrid Protocol	933520	07/23/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due under Madrid Protocol 07/23/17
MISCELLANEOUS DESIGN (molecule logo) 	Korea Madrid Protocol	933520	07/23/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due under Madrid Protocol 07/23/17

<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
MISCELLANEOUS DESIGN (molecule logo) 	Madrid Protocol China European Community Japan Korea Russia	933520	07/23/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due 07/23/17
MISCELLANEOUS DESIGN (molecule logo) 	Russia Madrid Protocol	933520	07/23/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due under Madrid Protocol 07/23/17
MISCELLANEOUS DESIGN (molecule logo) 	Taiwan	1309693	05/01/08	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries in Class 9	Renewal due 05/01/18

<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
MISCELLANEOUS DESIGN (molecule logo) 	United States	3368098	01/15/08	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries [03/00/03] in Class 9	Section 8 Affidavit due 01/15/14 Registration amended by removing gradient from design
NANOPHOSPHATE	Canada	797126	05/10/11	Batteries; energy storage products, namely, electrical storage batteries, electrical cells and batteries for use in hybrid, plug-in hybrid and electrical vehicles; electrical power system transmission power sources	Renewal due 05/10/26
NANOPHOSPHATE	China Madrid Protocol	941097	10/17/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells in Class 9	Renewal due under Madrid Protocol 10/17/17
NANOPHOSPHATE	European Community Madrid Protocol	941097	10/17/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells in Class 9	Renewal due under Madrid Protocol 10/17/17
NANOPHOSPHATE	Japan Madrid Protocol	941097	10/17/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells in Class 9	Renewal due under Madrid Protocol 10/17/17
NANOPHOSPHATE	Korea Madrid Protocol	941097	04/22/10	Batteries; energy storage products, namely, electrical storage batteries, electrical cells in Class 9	Renewal due under Madrid Protocol 10/17/17

<u>Mark</u>	<u>Country</u>	<u>Regis. No.</u>	<u>Regis. Date</u>	<u>Goods or Services</u>	<u>Status</u>
NANOPHOSPHATE	Madrid Protocol China European Community Japan Korea	941097	10/17/07	Batteries; energy storage products, namely, electrical storage batteries, electrical cells in Class 9	Renewal due 10/17/17
NANOPHOSPHATE	United States	3905785	01/11/11	Batteries; energy storage products, namely, electrical storage batteries, electrical cells [04/00/08] in Class 9	Section 8 Affidavit due 01/11/17

POWER.SAFETY.LIFE.	United States	3702159	10/27/09	Batteries; energy storage products, namely, electrical storage batteries, electrical cells [ITU] in Class 9	Section 8 Affidavit due 10/27/15
SGSS	United States	3955573	05/03/11	Electric power grid stabilization system comprising power cells, temperature control and management elements, inverters and computer operating programs and hardware for use in operating the aforementioned system [03/26/10] in Class 9	Section 8 Affidavit due 05/03/17