502725164 03/17/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2771769

SUBMISSION TYPE:		CORRECTIVE ASSIGNMENT	CORRECTIVE ASSIGNMENT				
NATURE OF CONVEYANCE:		Reel 032424 Frame 0793. Assigno	Corrective Assignment to correct the 12/454,153 previously recorded on Reel 032424 Frame 0793. Assignor(s) hereby confirms the CORRECTIVE ASSIGNMENT TO CORRECT INCORRECT SERIAL NUMBER.				
CONVEYING PARTY D	ΑΤΑ						
		Name	Execution Date				
UCHICAGO ARGONNE	LLC		10/08/2013				
RECEIVING PARTY DA	TA						
Name:	U.S. DI	U.S. DEPT. OF ENERGY					
Street Address:	1000 IN	00 INDEPENDENCE AVE					
City:	WASH	WASHINGTON					
State/Country:	DISTR	DISTRICT OF COLUMBIA					
Postal Code:	20585						
	5 Total: 1	Numbor					
Property Type Application Number:		Number 12454173					
CORRESPONDENCE D		(630)252-2779					
		the e-mail address first; if that is unsu	uccessful, it will be sent via				
Phone:		6302522164					
Email:		Mike.Dobbs@ch.doe.gov	Dobbs@ch.doe.gov				
•		MICHAEL J DOBBS					
		9800 S CASS AVE					
Address Line 4:		ARGONNE, ILLINOIS 60439					
ATTORNEY DOCKET NUMBER:		S-116,745					
NAME OF SUBMITTER:		MICHAEL J. DOBBS	MICHAEL J. DOBBS				
SIGNATURE:		/Michael J. Dobbs/	/Michael J. Dobbs/				
DATE SIGNED:		03/17/2014	03/17/2014				
		This document serves as an Oath/	This document serves as an Oath/Declaration (37 CFR 1.63).				
Total Attachments: 8 source=S-116,745 Correc source=S-116,745 Correc source=S-116,745 Correc source=S-116,745 Correc	ction 3#p ction 3#p	age2.tif age3.tif					
			DATENT				

source=S-116,745 Correction 3#page5.tif source=S-116,745 Correction 3#page6.tif source=S-116,745 Correction 3#page7.tif source=S-116,745 Correction 3#page8.tif

USPTO

7/31/2009 8:58:28 AM PAGE 4/004 Fax Server

TO: MARK P. DVORSCAK COMPAN U. S. DEPT. OF ENERGY, IPLD

JL 30 2009 25:54 FR JPL DOE OH 630 252 2779 TO 715712730140 P.01/82 07/30/2009 700414219

JP United States Patent and Tree JP RECORDATION FORM COVER SHEET S-116,745 To the Director of the U.S. Potent and Treedement Office: Plasse record the attached documents or the new existences of Security genty(ies) 1. Name of conveying party(ies) 2. Name and address of receiving party(in Name: United States Department of E 1. Name of conveying party(ies) 2. Name and address of receiving party(in Name: United States Department of E Additional name(s) of conveying party(ies) attached? Yes [] Net 3. Nature of conveying party(ies) attached? Yes [] Net 3. Nature of conveying party(ies) attached? Yes [] Net Street Address: 1000 Independence A Marger Street Address: 1000 Independence A Assignment Marger City: Washington Joint Research Agreement State: D.C. Country: USA Zip:20585	s) becau ss) nergy
To the Diractor of the U.S. Potent and Tradement Office: Please record the attached documents or the new address (e) 1. Name of conveying party(ies) UChicago Argonne,LLC Astritional name(s) of conveying party(ies) attached? Yes ? Nature of conveying party(ies) Astritional name(s) of conveying party(ies) attached? Yes ? Nature of conveying party(ies) Astritional name(s) of conveying party(ies) attached? Yes ? Network of the use attached documents of receiving party(ies) Astritional name(s) of conveying party(ies) attached? Yes ? Network of the use attached documents of conveying party(ies) Astritional name(s) of conveying party(ies) attached? Yes ? Network of the use attached documents of party (ies) Street Address: 1000 Independence A City: Washington Joint Research Agreement Government Interest Assignment	s) be:sw. ss) inergy_
Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Additional name(s) of conveying party(ies) attacked? [] Yes [] Ne Execution Date(s) Of (17/2009 [Assignment [] Merger [Security Agreement [] Change of Name [Joint Research Agreement [Government Interest Assignment [Government Interest Assignment]	ss) `nergy
2. Name and address of receiving party(ies) UChicago Argonne,LLC Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational name(s) of conveying party(ies) attacked? [] Yes [] Ne Accelerational na	ss) `nergy
UChicago Argonne,LLC Name: United States Department of E Additional name(s) of conveying party(ies) states of [ves [] Ns Internal Address: 3. Nature of conveyance/Execution Date(s): Street Address: Execution Date(s) 06/17/2009 Street Address: Assignment Marger Joint Research Agreement Change of Name Government Interest Assignment State: D.C.	nergy
Additional name(s) of conveying party(ies) attached? [] Yes [] Ne 3. Nature of conveyance/Execution Date(s): Execution Date(s) 08/17/2009 Assignment [] Merger Security Agreement [] Change of Name Joint Research Agreement Government Interest Assignment	
3. Nature of conveyance/Execution Date(s): Street Address: _1000 Independence A Execution Date(s) 06/17/2009 Marger Assignment Marger Security Agreement Change of Name Joint Research Agreement State: <u>D.C.</u> Government Interest Assignment State: <u>D.C.</u>	X8., S.W
3. Nature of conveyance/Execution Date(s): Street Address: _1000 Independence A Execution Date(s) 06/17/2009 Merger Assignment Merger Security Agreement Change of Name Joint Research Agreement State: <u>D.C.</u> Government Interest Assignment State: <u>D.C.</u>	ve., S.W
Execution Date(s) 06/17/2009 Image: Control of the security Agreement Security Agreement Image: Change of Name Joint Research Agreement State: D.C. Government Interest Assignment State: D.C.	
Security Agreement Change of Name City: Washington Joint Research Agreement State: D.C. Government Interest Assignment State: D.C.	
Joint Research Agreement Government Interest Assignment	
Joint Research Agreement Government Interest Assignment	
Government Interest Assignment	·····
// Executive Order 0424 Consemption Community: USA 710-30605	
LEW MICHANES START CARA, CHIMINARUTY LIESIS	8
Other Additional name(s) & address(es) attached?	
A Application or patent number(s): This document is being filed together with a new or the second se	as (* 1903
S. Patent No.(s)	Auraróli'
12/454,153	
· · ·	
Automicansi numbers staches? Ves 7No	
6. Name and address to whom correspondence Le Total and the second	
concerning document should be mailed:	\$
Name: Mark P. Dvorscak 7. Total fee (37 CFR 1.21(h) & 3.41) \$	
Internal Address: U. S. Dept. of Energy, IPLD Authorized to be charged by credit card	
Authorized to be charged to deposit acco	
Street Address 9800 S. Cass Ave	មករ ្
None required (government interest not effe	tuite stite
City: Argonne 8. Payment Information	
State: II Zimen 4 a. Credit Card Last 4 Numbers	
Phone Number 830-252-2393	······
*ax Number_630-252-2779 b. Deposit Account Number	
Small Address Authorized User Name	
Signature: 17 22	A
Constant Con	
Michael J. Draha #59.009 Tatal annous stars and for	
Name of Person Signing shaet, attactments, and documents to be recorded (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to taxe to (211) 223 2440 cancel (including cover shaet) attaction to (211) 233 2440 cancel (including cover shaet) attact	2

Documents to be recorded final/ding cover sheet) showin the texas to (571) 273-0140, or mailed to: Shell Stop Analymment Nectorization Services, Discolor of the USPTO, P.O. Box 1453, Alexandra, V.A. 22313-1463

.

CONFIRMATORY LICENSE

Title of Invention:	SURFACE MODIFICATION AGE	ENTS FOR LI	THIUM BATTERIES
Inventors:	Zonghai Chen, Khalil Amine, and	l Ilias Belharo	uak
Patent Application \$	Serial No.: 12/454,153	Filing Date:	May 13, 2009
Patent Number:		Issue Date:	
Contractor: DOE Contract No.:	UChicago Argonne, LLC DE-AC02-06CH11357		

The Contractor has reported the above-identified invention as a subject invention to DOE and has elected to retain title thereto.

DOE Case No.:

S-116,745

ANL Case No.: ANL-IN-08-026

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 17th day of June, 2009

Contractor Name: UChicago Argonne, LLC

By:

Mark D. Hiliard Chief Patent Counsel Argonne National Laboratory UChicago Argonne, LLC

CONFIRMATORY LICENSE

Title of Invention: SURFACE MODIFICATION AGENTS FOR LITHIUM BATTERIES

Inventors: Zonghai Chen, Khalil Amine, and Ilias Belharouak

Patent Application Serial No.:12/454,173Filing Date:May 13, 2009Patent Number:8,187,746Issue Date:May 29, 2012Contractor:UChicago Argonne, LLCDOE Contract No.:DE-AC02-06CH11357DOE Case No.:S-116,745ANL Case No.:

The Contractor has reported the above-identified invention as a subject invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 8th day of October, 2013

Contractor Name; UChicago Argonne, LLC

By:

Mark D. Hilliard Chief Patent Counsel Argonne National Laboratory UChicago Argonne, LLC

> PATENT REEL: 032463 FRAME: 0038

RECORDED: 03/17/2014