

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MACKENZIE KING	07/30/2019
HONG GAN	07/29/2019
QICHAO HU	07/29/2019
RECEIVING PARTY DATA	
Name:	SOLIDENERGY SYSTEMS, LLC
Street Address:	35 CABOT ROAD
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16530788
CORRESPONDENCE DATA	
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Address Line 4:	BURLINGTON, VERMONT 05402-0190
ATTORNEY DOCKET NUMBER:	17468-022USU1
NAME OF SUBMITTER:	KEVIN C. MCGRATH
SIGNATURE:	/Kevin C. McGrath/
DATE SIGNED:	08/02/2019
Total Attachments: 3	
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source=Assignments_17468022USU1#page2.tif	
source=Assignments_17468022USU1#page3.tif	

ASSIGNMENT

Whereas, I, **Mackenzie King**, residing in **Essex, MA**, have invented one or more new and useful inventions and have filed therefor United States Non-Provisional Patent Application Serial No. 16/530,788, filed on August 2, 2019, entitled "Methods of Charging Secondary Lithium Metal Batteries to Reactivate Dead Lithium With Redox Shuttling Additives and Battery Control Systems Incorporating the Same" (hereinafter, "Application(s)");

And whereas, SolidEnergy Systems, LLC, a limited liability company of Delaware, having a place of business at 35 Cabot Road, Woburn, MA 01801 (hereinafter called Assignee), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "17468-022USU1," which appears on at least one page of the application.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed at Woburn (city/town), MA USA (state/country),

this 2 day of July, 2019.


Mackenzie King

19411837.1

ASSIGNMENT

Whereas, I, **Hong Gan**, residing in **Miller Place, NY**, have invented one or more new and useful inventions and have filed therefor United States Non-Provisional Patent Application Serial No. 16/530,788, filed on August 2, 2019, entitled "Methods of Charging Secondary Lithium Metal Batteries to Reactivate Dead Lithium With Redox Shuttling Additives and Battery Control Systems Incorporating the Same" (hereinafter, "Application(s)");

And whereas, SolidEnergy Systems, LLC, a limited liability company of Delaware, having a place of business at 35 Cabot Road, Woburn, MA 01801 (hereinafter called Assignee), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "17468-022USU1," which appears on at least one page of the application.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed at Woburn (city/town), MA/USA (state/country),
this 29 day of July, 2019.



Hong Gan

19427237.1

ASSIGNMENT

Whereas, I, **Qichao Hu**, residing in **Arlington, MA**, have invented one or more new and useful inventions and have filed therefor United States Non-Provisional Patent Application Serial No. 16/530,788, filed on August 2, 2019, entitled "Methods of Charging Secondary Lithium Metal Batteries to Reactivate Dead Lithium With Redox Shuttling Additives and Battery Control Systems Incorporating the Same" (hereinafter, "Application(s)");

And whereas, SolidEnergy Systems, LLC, a limited liability company of Delaware, having a place of business at 35 Cabot Road, Woburn, MA 01801 (hereinafter called Assignee), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed at Woburn (city/town), MA (state/country),

this 29th day of July, 2019.



Qichao Hu

19411827.1