

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QINGHUA LIU	11/20/2018
JOHN P. LEMMON	11/20/2018
CHANG WEI	11/20/2018
WENQIANG XU	11/20/2018
YONGLONG LI	11/20/2018
WENBIN LIANG	11/20/2018

RECEIVING PARTY DATA

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State/Country:	CHINA
Postal Code:	100011
Name:	NATIONAL INSTITUTE OF CLEAN-AND-LOW-CARBON ENERGY
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City:	BEIJING
State/Country:	CHINA
Postal Code:	102209

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16196347

CORRESPONDENCE DATA

Fax Number: (215)568-6499

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PATENT

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ATTORNEY DOCKET NUMBER:	RAP3-PT114
NAME OF SUBMITTER:	DOUGLAS J. BUCKLIN
SIGNATURE:	/Douglas J. Bucklin/
DATE SIGNED:	11/20/2018

Total Attachments: 8

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ASSIGNMENT

Qinghua Liu, a citizen of China, John P. Lemmon, a citizen of the United States of America, Chang Wei, a citizen of the United States of America, Wenqiang Xu, a citizen of the United States of America, Yonglong Li, a citizen of the United States of America, Wenbin Liang, a citizen of the United States of America, (all of the foregoing having an address of Shenhua Low Carbon 001# Postbox, Future science & Technology Park, Changping District, Beijing, China, 102209 and hereafter jointly and severally referred to as the "undersigned") are the inventors of

ELECTRODE SLURRY, SLURRY ELECTRODE,
FLOW BATTERY AND STACK

for which the undersigned has executed an application for United States Letters Patent, U.S. Patent Application No. 16/196.347, filed November 20, 2018, 2018

The undersigned hereby authorizes assignee or assignees' representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

China Energy Investment Corporation Limited, a Chinese company, having a principal place of business at 22 Xibinhe Road, Dongcheng District, Beijing, China, 100011 and National Institute of Clean-and-Low-Carbon Energy, a Chinese company, having a principal place of business at Shenhua Low Carbon 001# Postbox, Future science & Technology Park, Changping District, Beijing, China, 102209, (both of the above in this paragraph hereafter referred to together as the "assignees") are desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to, or confirm that they have sold, assigned or transferred to, the assignees and assignees' successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon,

including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

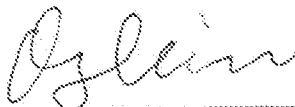
It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this 20 day of November, 2018

at Beijing, China
(Place)

Witness:

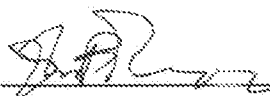


Qinghua Liu

EXECUTED under seal on this 20 day of November, 2018

at Beijing, China
(Place)

Witness:



John P. Lemmon


(Although not mandatory, if possible,
please subscribe appropriate notarization and obtain APOSTILLE)

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this 20 day of November, 2018

at Beijing, China,
(Place)

Witness:




Chang Wei

EXECUTED under seal on this 20 day of November, 2018

at Beijing, China
(Place)

Witness:



Wenqiang Xu


(Although not mandatory, if possible,
please subscribe appropriate notarization and obtain APOSTILLE)

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this 20 day of November, 2018

at Beijing, China
(Place)

Witness:



Yonglong Li

EXECUTED under seal on this 20 day of November, 2018

at Beijing, China
(Place)

Witness:



Wenbin Liang

(Although not mandatory, if possible,
please subscribe appropriate notarization and obtain APOSTILLE)