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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YI CUI	05/01/2014
HUI WU	10/22/2017
DENYS ZHUO	04/30/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	61819333
Application Number:	14268988

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ATTORNEY DOCKET NUMBER:	102354-0159 / 102354-0204
NAME OF SUBMITTER:	NANI BALABAN
SIGNATURE:	/NANI BALABAN/ for Cliff Z. Liu
DATE SIGNED:	11/14/2017

Total Attachments: 3

PATENT REEL: 044125 FRAME: 0650 source=102354-0204_Assignment#page1.tif
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PATENT REEL: 044125 FRAME: 0651

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

The Board of Trustees of the Leland Stanford Junior University Office of the General Counsel Building 170, Third Floor, Main Quad P.O. Box 20386 Stanford, CA 94305-2038

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

IMPROVING RECHARGEABLE BATTERY SAFETY BY MULTIFUNCTIONAL SEPARATORS

as set forth in this United States Patent Applications

Serial No.	61/819,333	Filed <u>5/3/2013</u> ;	and		
Serial No.	14/268,98	8	Filed	5/2/2014	

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

Page 1 of 3

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	YI	CUI
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