

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4621484

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHARP LABORATORIES OF AMERICA, INC.	04/27/2017
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14230882
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<b>SIGNATURE:</b>	/Brenda K. Banks/
<b>DATE SIGNED:</b>	10/02/2017
<b>Total Attachments: 1</b>	
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S-142701



## CONFIRMATORY LICENSE

**Title of Invention:** Reactive Separator for a Metal-Ion Battery

**Inventor(s):** Long Wang and Yuhao Lu

**Patent Application Serial No:** 14/230,882

**Filing Date:** March 31, 2014

**Patent Number:** 9,634,317

**Issue Date:** April 25, 2017

**Name of Organization:** Sharp Laboratories of America, Inc. **Name of Assignee:** Sharp Laboratories of America, Inc.

**ARPA-E Award/Contract No.:** DE-AR0000297

The named Organization has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

This document is confirmatory of (1) the nonexclusive, nontransferable, irrevocable, paid-up, world-wide 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; (2) all other rights acquired by the Government through the intellectual property provisions of the above-identified contract/award; and (3) all intellectual property, licensing, and manufacturing requirements imposed by the above-identified contract/award.

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

Signed this 27th day of April, 20 17

Name & Title of Organization's Authorized Representative (Typed) David C. Ripma, Patent Counsel

Authorized Representative's Signature [Signature]

If ownership of the elected subject invention has been assigned:

Name & Title of Assignee's Authorized Representative (Typed) \_\_\_\_\_

Authorized Representative's Signature \_\_\_\_\_