

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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<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.	04/11/2018
<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:	14577842
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<b>SIGNATURE:</b>	/Brenda K. Banks/
<b>DATE SIGNED:</b>	05/01/2018
<b>Total Attachments: 1</b>	
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## CONFIRMATORY LICENSE

**Title of Invention:** Solar Concentrator with Asymmetric Tracking-Integrated Optics

**Inventor(s):** Brian M. Wheelwright, Wei Pan, and Douglas J. Tweet

**Patent Application Serial No:** 14/577,842

**Filing Date:** December 19, 2014

**Patent Number:** 9,787,247

**Issue Date:** October 10, 2017

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

**Name of Assignee:** Sharp Kabushiki Kaisha

**ARPA-E Award/Contract No.:** DE-AR0000465

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 11th day of April, 2018

Name & Title of Organization's Authorized Representative (Typed) David C. Ripma, V.P. and Patent Counsel, MIIcs IP, Inc., Attorney for Sharp Laboratories of America, Inc.

Authorized Representative's Signature [Signature]

If ownership of the elected subject invention has been assigned: Mototaka Taneya, Managing Officer, BU President, Corporate Research and Development BU

Authorized Representative's Signature [Signature]

**PATENT**