504913088 05/14/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
NATIONAL RENEWABLE ENERGY LABORATORY	02/09/2015

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY	
Street Address:	1000 INDEPENDENCE AVE. S.W.	
City:	WASHINGTON	
State/Country:	D.C.	
Postal Code:	20585	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14615068

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NAME OF SUBMITTER:	CYNTHIA RIDGE
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DATE SIGNED:	05/14/2018

Total Attachments: 1

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PATENT REEL: 046148 FRAME: 0239 504913088



DOE Docket No.: S-135,611

CONFIRMATORY LICENSE

Application for: CONTROLLING THE STOICHIOMETRY AND DOPING OF

SEMICONDUCTOR MATERIALS

Inventor(s):

David Albin, et al.

Serial No.:

14/615,068

Filing Date:

February 5, 2015

Contract No.:

DE-AC36-08GO28308

Contractor:

Alliance for Sustainable Energy, LLC

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the Subject Invention has been submitted to the U.S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States the Subject Invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this _____day of __February 2015_.

John C. Stolpa

Associate General Counsel

Intellectual Property

15013 Denver West Parkway Golden, CO 80401 Phone 303-275-3000

RECORDED: 05/14/2018

NREL is a national laboratory of the U.S. Department of Energy Office of Energy Efficiency & Renewable Energy Operated by the Alliance for Sustainable Energy, LLC

PATENT

REEL: 046148 FRAME: 0240