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S-140,212

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3. Nature of conveyance/Execution Date(s):Execution Date(s) November 16, 2015

- ☐ Assignment ☐ Merger
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☐ Joint Research Agreement
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☐ Other _____

2. Name and address of receiving party(ies)Name: United States Department of Energy

Internal Address: _____

Street Address: 1000 Independence Ave., S.W.City: WashingtonState: D.C.Country: USA Zip: 20585

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4. Application or patent number(s):

A. Patent Application No.(s)

Serial No. 14/939,928

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:Name: Michael J. DobbsInternal Address: U. S. Dept. of Energy, IPLDStreet Address: 9800 S. Cass Ave.City: ArgonneState: IL Zip: 60439Phone Number: 630-252-2164Fax Number: 630-252-2779Email Address: Confirmatory.License@ch.doe.gov**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____**

- ☐ Authorized to be charged by credit card
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9. Signature:

Michael J. Dobbs
 Signature

12/17/15
 Date

Michael J. Dobbs #58,093
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **2**

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PATENT

700518500

REEL: 037393 FRAME: 0546

DOE Docket No. ~~DE-AC36-08GO28308~~ **DE-AC36-08GO28308**

CONFIRMATORY LICENSE

Application for: METAL HALIDE SOLID-STATE SURFACE TREATMENT FOR
NANOCRYSTAL MATERIALS
Inventor(s): Joseph M. Luther, Ryan Crisp, Matthew C. Beard
Serial No.: 14/939,928
Filing Date: November 12, 2015
Contract No.: DE-AC36-08GO28308
Contractor: Alliance for Sustainable Energy, LLC

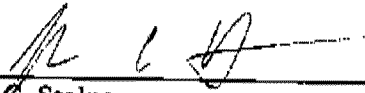
The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the Subject Invention has been submitted to the U.S. Department of Energy.

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 16th day of November 2015.


John C. Stolpa
Associate General Counsel,
Intellectual Property

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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

RECORDED: 12/18/2015

PATENT
REEL: 037393 FRAME: 0547