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OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
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PATENTS ONLY****S-119,022**

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Alliance for Sustainable Energy, LLC

Additional name(s) of conveying party(ies) attached?  Yes  No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) March 30, 2015

- Assignment  Merger  
 Security Agreement  Change of Name  
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 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
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**2. Name and address of receiving party(ies)**Name: United States Department of Energy

Internal Address: \_\_\_\_\_

Street Address: 1000 Independence Ave., S.WCity: WashingtonState: D.C.Country: USA Zip: 20585Additional name(s) & address(es) attached?  Yes  No**4. Application or patent number(s):** This document is being filed together with a new application.

A. Patent Application No.(s)

Serial No. 13/825,541

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 AveCity: 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) \$ \_\_\_\_\_**

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sheet, attachments, and documents: **2**Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



DOE Docket No.: S-119,022

## CONFIRMATORY LICENSE

Application for: WET-CHEMICAL SYSTEMS AND METHODS FOR PRODUCING  
BLACK SILICON SUBSTRATES  
Inventor(s): Vernon Yost, et al  
Serial No.: 13/825,541  
Filing Date: March 21, 2013  
Contract No.: DE-AC36-08GO28308  
Contractor: Alliance for Sustainable Energy, LLC

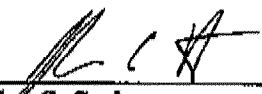
The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the Subject Invention has been submitted to the U.S. Department of Energy.

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.

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

Signed this 30<sup>th</sup> day of March 2015.

  
\_\_\_\_\_  
John C. Stolpa  
Associate General Counsel  
Intellectual Property