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Alliance for Sustainable Energy, LLC  
  
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**2. Name and address of receiving party(ies)**  
Name: United States Department of Energy  
Internal Address: \_\_\_\_\_  
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**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) November 11, 2016  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: 1000 Independence Ave., S.W  
\_\_\_\_\_  
City: Washington  
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**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
Serial No. 15/349,630  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
\_\_\_\_\_

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Michael J. Dobbs  
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**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_  
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 None required (government interest not affecting title)

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**9. Signature:** [Signature]  
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Timothy Harney #38,174  
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1/6/2017  
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DOE Docket No.: S-140,202

## CONFIRMATORY LICENSE

Application for: Passivated Contact Formation Using Ion Implantation  
 Inventor(s): David L. Young, Pauls Stradins, and William Nemeth  
 Serial No.: 15/349,630  
 Filing Date: November 11, 2016  
 Contract No.: DE-AC36-08GO28308  
 Contractor: Alliance for Sustainable Energy, LLC

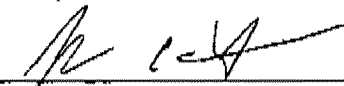
The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the Subject Invention has been submitted to the U.S. Department of Energy.

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 11<sup>th</sup> day of November, 2016

  
 \_\_\_\_\_  
 John G. 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  
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