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**CAR** **RECORDATION FORM COVER SHEET** **S-116,705**  
**PATENTS ONLY**

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**1. Name of conveying party(ies)**  
Brookhaven Science Associates, LLC  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: United States Department of Energy  
Internal Address: \_\_\_\_\_  
  
Street Address: 1000 Independence Ave., S.W  
  
City: Washington  
State: D.C.  
Country: USA Zip: 20585  
  
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**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) August 12, 2014  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
Serial No. 13/000,800  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
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**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  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
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**9. Signature:** [Signature]  
Signature  
  
John D. Cravero #71,245  
Name of Person Signing

11/19/2014  
Date  
  
Total number of pages including cover sheet, attachments, and documents: **2**

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DOE Docket No.:  
S-116,705

**CONFIRMATORY LICENSE**

Application for: **Underpotential Deposition-Mediated Layer-by-Layer Growth of Thin Films**  
 Inventor(s): **Jia Xu Wang, et al.**  
 Serial No.: **13/000,800**  
 Filing Date (U.S.): **02/11/2011**  
 Contract No.: **DE-AC02-98CH-10886**  
 Contractor: **Brookhaven Science Associates, LLC**

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract (executed on January 5, 1998) governing patent rights in the Subject Invention at the time the invention was made 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 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 12<sup>th</sup> day of August, 2014.

BROOKHAVEN SCIENCE ASSOCIATES, LLC/  
BROOKHAVEN NATIONAL LABORATORY

By \_\_\_\_\_

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**PATENT**