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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: \_\_\_\_\_  
\_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) January 10, 2017  
 Assignment  Merger  
 Security Agreement  Change of Name  
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Street Address: 1000 Independence Ave., S.W  
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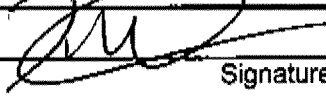
**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
Serial No. 15/269,202  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)

**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  
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 Enclosed  
 None required (government interest not affecting title)

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**9. Signature:**  \_\_\_\_\_ 3/20/2017  
Signature Date  
Timothy Harney #38,174  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: **2**

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DOE Docket No.: S-141,796

**CONFIRMATORY LICENSE**

Application for: **Lithographic Patterning**  
Inventor(s): **Black et al.**  
Serial No.: **15/269,202**  
Filing Date (U.S.): **September 19, 2016**  
Contract No.: **DE-SC0012704**  
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, 2015) 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 10<sup>th</sup> day of January, 2017.

BROOKHAVEN SCIENCE ASSOCIATES, LLC/  
BROOKHAVEN NATIONAL LABORATORY

By 

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