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**PATENTS ONLY**

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**1. Name of conveying party(ies)**  
UChicago Argonne, 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) April 17, 2013  
 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. 13/830,320  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Mark P. Dvorscak  
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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 \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
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Authorized User Name \_\_\_\_\_

**9. Signature:**  8/15/13  
Signature Date  
Michael J. Dobbs #58,093 Total number of pages including cover sheet, attachments, and documents: **2**  
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## CONFIRMATORY LICENSE

Title of Invention: SELECTIVE ALKANE ACTIVATION WITH SINGLE SITE ATOMS  
ON AMORPHOUS SUPPORT

Inventors: Adam S. Hock, Neil M. Schweitzer, Jeffrey T. Miller, Bo Hu

Patent Application Serial No.: 13/830,320

Filing Date: March 14, 2013

Patent Number:

Issue Date:

Contractor: UChicago Argonne, LLC

DOE Contract No.: DE-AC02-06CH11357

DOE Case No.: S-131,662

ANL Case No.: ANL-IN-12-114

The Contractor has reported the above-identified invention as a subject invention to DOE and has elected to retain title thereto.

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 17<sup>TH</sup> Day of April, 2013

Contractor Name: UChicago Argonne, LLC

By: 

Mark D. Hilliard  
Chief Patent Counsel  
Argonne National Laboratory  
UChicago Argonne, LLC