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**MR** **RECORDATION FORM COVER SHEET** **S-144,155**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
BATTELLE ENERGY ALLIANCE, 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  
  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) 08/04/2011  
 Assignment  Merger  
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 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)  
12/322,359  
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 \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number \_\_\_\_\_  
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**9. Signature:** [Signature] Signature 5/31/2016 Date

Timothy Harney #38,174 Total number of pages including cover sheet, attachments, and documents: **2**  
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S-144,155  
DOECONFIRMATORY LICENSE

Application for: THERMOPHILIC AND THERMOACIDOPHILIC BIOPOLYMER-  
DEGRADING GENES AND ENZYMES FROM  
ALICYCLOBACILLUS ACIDOCALDARIUS AND RELATED  
ORGANISMS, METHODS

Inventor(s): David N. Thompson; William A. Apel; Vicki S. Thompson; David W.  
Reed; Jeffrey A. Lacey; Emily D. Henriksen

Serial No.: 12/322,359

Filing Date (U.S.): 01/29/2009

DOE Contract No.: DE-AC07-05ID14517

Contractor: Battelle Energy Alliance, LLC

The invention identified above is a "Subject Invention" under the above-numbered contract with Battelle Energy Alliance, LLC. A copy of the provisions of the above-numbered contract 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 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 4<sup>th</sup> day of August, 2011.

BATTELLE ENERGY ALLIANCE, LLC

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