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Form PTO-1595 (Rev OMB No. 0651-0027				U.S. DEPARTMENT OF COMMERCI Inited States Patent and Trademark O	
MR	RECORDATION FORM COVER SHEET S-134,442				
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1. Name of conveying party(ies)			2. Name and address of receiving party(les)		
BATTELLE ENERGY ALLIANCE, LLC			Name: United States Department of Energy		
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Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance/Execution Date(s): Execution Date(s) 02/03/2011			Street Address: <u>1000 Independence Ave S.V</u>		
Assignment Merger			City: <u>Washington</u>		
Security Agreement Change of Name			City: Washington		
Joint Research Agreement			State: <u>D.C.</u>		
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	or patent number(s):	This		ldress(es) attached? └─ Yes └─ I b together with a new application	
A. Patent Applic	•		B. Patent No.(s)	togener war a now approva	
12/927,496					
Additional numbers at 5. Name and address to whom correspondence concerning document should be mailed: Name:Mark P. Dvorscak			ttached?		
	nternal Address: <u>U. S. Dept. of Energy, IPLD</u>		7. Total fee (37 CFR 1.21(h) & 3.41) \$ Authorized to be charged by credit card Authorized to be charged to deposit account		
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 PATENT 700508451 REEL: 031003 FRAME: 0126					

700508451

DOE Case No.: S-1-1-5,641 BA-283A CIP2

CONFIRMATORY 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.:	12/927,496
Filing Date (U.S.):	11/15/2010
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 aboveidentified 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 License 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 <u>3</u> day of February, 2011.

BATTELLE ENERGY ALLIANCE, LLC

By: <u>Steven T. McMaster</u>

Steven T. McMaster Director, Technology Deployment P. O. Box 1625 Idaho Falls, ID 83415-3790

RECORDED: 08/01/2013