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CAB **RECORDATION FORM COVER SHEET** **S-117,496**
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)
Alliance for Sustainable Energy, 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
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3. Nature of conveyance/Execution Date(s):
Execution Date(s) November 3, 2008

Assignment Merger
 Security Agreement Change of Name
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 Executive Order 9424, Confirmatory License
 Other _____

Street Address: 1000 Independence Ave., S.W.
City: Washington
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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. 11/862,566

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Mark P. Dvorscak
Internal Address: U. S. Dept. of Energy, IPLD
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Fax Number: 630-252-2779
Email Address: _____

6. Total number of applications and patents involved: 1


7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

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9. Signature:  2/4/2009
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Michael J. Dobbs #58.093 Total number of pages including cover sheet, attachments, and documents: **2**
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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DOE Docket No.: S-117,496

CONFIRMATORY LICENSE

Application for: XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
FOR ETHANOL PRODUCTION
Inventor(s): Paul V. Viitanen, Carol M. McCutchen, Yat-Chen Chou, and Min Zhang
Serial No.: 11/862,566
Filing Date: September 27, 2007
Contract No.: DE-AC36-08GO28308
Contractor: Alliance for Sustainable Energy, LLC

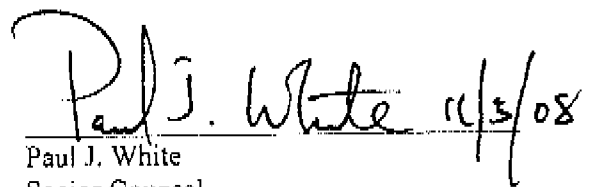
The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U.S. Department of Energy.

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.

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 3rd day of November, 2008.


Paul J. White
Senior Counsel

National Renewable Energy Laboratory
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