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1. Name of conveying party(ies) E.I. DuPont de Nemours and Company E.I. DuPont de Nemours and Company Name United States Department of Energy	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
Street Address: 1000 Independence Ave., S.W. Execution Date(s) 06/10/2008 Assignment	1. Name of conveying party(ies)		2. Name and address of receiving party(les) Name: United States Department of Energy		
State: D.C. Government Interest Assignment Government Interest Assignment Government Interest Assignment Government Interest Assignment Fexecutive Order 9424, Confirmatory License Other 4. Application or patent number(s): A. Patent Application No.(s) 11/402,757 Additional numbers attached? Additional numbers attached? Additional numbers attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) address(es) attached? Fexecutive Order 9424, Confirmatory License Additional name(s) & address(es) address(es) attac	3. Nature of conveyance/Execution Date(s): Execution Date(s) 06/10/2008 Assignment Merger Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License		Street Address: 100	00 Independence Ave., S.W	
4. Application or patent number(s): A. Patent Application No.(s) 11/402,757 Additional numbers attached?			State: <u>D.C.</u> Country: <u>USA</u>		
5. Name and address to whom correspondence concerning document should be mailed: Name: Mark P. Dvorscak Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: L Zip:60439 Phone Number: 630-252-2393 Fax Number: 630-252-2779 Email Address: 2	A. Patent Applic	ation No.(s)	B. Patent No.(s)	d together with a new application.	
Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: Zip:60439 Phone Number: 630-252-2393 Fax Number: 630-252-2779 Email Address: Address: 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 Authorized User Name	concerning document should be mailed:				
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State: Zip:60439 a. Credit Card Last 4 Numbers Expiration Date Phone Number: 630-252-2393 b. Deposit Account Number Email Address: Authorized User Name	City: Argonne		8. Payment Informa	ation	
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19. Signature: 77 // 14/2	_		<u> </u>	almina	
Signature Signature Date Michael J. Dobbs #58,093 Name of Person Signing Total number of pages including cover sheet, attachments, and documents:					

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PATENT REEL: 021213 FRAME: 0646

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Title of Invention: TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS Inventor(s): James B. Dunson, Jr., Richard T. Elander, Melvin P. Tucker, III, Susan Marie Hennessey Filing Date: April 12, 2006 Patent Application Serial No.: 11/402757 Patent Number: ______ Issued Date: _____ Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable): E.I. DuPont de Nemours and Company DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable): DE-FC36-03GO-13146 Contractor Docket No.: CL2825 **DOE Case No.: S-106,912** The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto. Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention. The Government is hereby granted an irrevocable power to inspect and make copies of the aboveidentified patent application. Contractor Name: DuPont de Nemours and Company BY: Official's Name and Title: John Pierce, Director Biochemical Sciences and Engineering Vice President - Technology Applied BioSciences **Business Address:** E328/251 P.O. Box 80328

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