

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>BRUCE A. DINER</td><td>01/20/2010</td></tr><tr><td>JANINE FAN</td><td>01/20/2010</td></tr></tbody></table>	Name	Execution Date	BRUCE A. DINER	01/20/2010	JANINE FAN	01/20/2010	
Name	Execution Date						
BRUCE A. DINER	01/20/2010						
JANINE FAN	01/20/2010						
RECEIVING PARTY DATA							
Name:	E. I. DU PONT DE NEMOURS AND COMPANY						
Street Address:	4417 LANCASTER PIKE						
Internal Address:	BARLEY MILL PLAZA 25						
City:	WILMINGTON						
State/Country:	DELAWARE						
Postal Code:	19809						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12639059</td></tr></tbody></table>	Property Type	Number	Application Number:	12639059			
Property Type	Number						
Application Number:	12639059						
CORRESPONDENCE DATA							
Fax Number:	(302)355-3982						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	302-992-2973						
Email:	CAROL.A.REEDER@USA.DUPONT.COM						
Correspondent Name:	S. NEIL FELTHAM						
Address Line 1:	4417 LANCASTER PIKE						
Address Line 2:	BARLEY MILL PLAZA 25						
Address Line 4:	WILMINGTON, DELAWARE 19809						
ATTORNEY DOCKET NUMBER:	CL4536USNA						
NAME OF SUBMITTER:	CAROL REEDER						
Total Attachments: 1 source=CL4536USNAExecutedAssignment#page1.tif							

CH \$40.00 12639059

PATENT

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REEL: 024084 FRAME: 0550

ASSIGNMENT

We, the undersigned

BRUCE A. DINER, JANINE FAN

Hereby declare that

We are the true and first inventors of an invention entitled

ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION

which is disclosed in the United States Patent Application No. **12/639059** filed on **DECEMBER 16, 2009** and which is identified as Case Number **CL4536USNA**.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto **E. I. DU PONT DE NEMOURS AND COMPANY**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

Bruce A. Diner (L.S.)
BRUCE A. DINER
DATE: 1/20/10

Janine Fan (L.S.)
JANINE FAN
DATE: 1/20/10