

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEVEN CARY ROTHMAN	06/05/2015
LORI ANN MAGGIO-HALL	05/28/2015
RICK W YE	06/05/2015
BRIAN JAMES PAUL	05/28/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BUTAMAX ADVANCED BIOFUELS LLC
<b>Street Address:</b>	ROUTE 141 & HENRY CLAY
<b>Internal Address:</b>	DUPONT EXPERIMENTAL STATION B356
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19880
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14142398
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(302)355-4743
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	3029994233
<b>Email:</b>	frances.toutkaldjian@dupont.com
<b>Correspondent Name:</b>	SUSAN PELLEGRINO
<b>Address Line 1:</b>	ROUTE 141 & HENRY CLAY
<b>Address Line 2:</b>	DUPONT EXPERIMENTAL STATION B356
<b>Address Line 4:</b>	WILMINGTON, DELAWARE 19880
<b>ATTORNEY DOCKET NUMBER:</b>	CL5837USNP
<b>NAME OF SUBMITTER:</b>	FRANCES TOUTKALDJIAN
<b>SIGNATURE:</b>	/Frances Toutkaldjian/
<b>DATE SIGNED:</b>	04/14/2016
<b>Total Attachments: 4</b>	

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## ASSIGNMENT

We/I, the undersigned,

STEVEN CARY ROTHMAN, LORI ANN MAGGIO-HALL, RICK W. YE, BRIAN JAMES PAUL

(hereafter referred to as the Assignor(s))

for valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell, assign, and transfer to Butamax Advanced Biofuels LLC, 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 (hereafter referred to as the Assignee), his/her entire right, title, and interest in and to

United States Patent Application No. 14/142398, filed on December 27, 2013 and which is identified as Case Number CL5837USNP, entitled " DHAD VARIANTS FOR BUTANOL PRODUCTION;"

in any and all patent applications thereon including non-provisional applications, continuations, continuations-in-part, divisionals, in any and all Letters Patent(s) therefor, reissues, extensions, renewals, and reexaminations of the patent application or Letters Patent therefor, in any and all inventions, whether joint or sole, disclosed therein, any priority rights derived from the aforesaid patent 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, any and all applications for Letters Patent for any such inventions in any country whatsoever, any and all patents for any such inventions in any country whatsoever; and the sole right to file such patent applications in its name or ours, file such applications under the aforesaid International Convention or other treaty or understanding, have said patents granted in its name or ours, and enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future. All such rights, title, and interest to be held and enjoyed by the Assignee, its successors, assigns, legal representatives to the same extent as all such rights, title, and interest would have been held and enjoyed by the Assignor(s) had this assignment and sale not been made

We/I, the undersigned, agree, whenever requested, to communicate to 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 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 Assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

Steven Cary Rothman (L.S.)  
Steven Cary ROTHMAN

DATE: 6/5/15

\_\_\_\_\_  
Lori Ann MAGGIO-HALL (L.S.)

DATE: \_\_\_\_\_

\_\_\_\_\_  
Rick W. YE (L.S.)

DATE: \_\_\_\_\_

\_\_\_\_\_  
Brian James PAUL (L.S.)

DATE: \_\_\_\_\_

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STEVEN CARY ROTHMAN, LORI ANN MAGGIO-HALL, RICK W. YE, BRIAN JAMES PAUL

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\_\_\_\_\_(L.S.)  
Steven Cary ROTHMAN

DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Rick W. YE

DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Lori Ann MAGGIO-HALL

DATE: 28 May 2015

\_\_\_\_\_(L.S.)  
Brian James PAUL

DATE: \_\_\_\_\_

**ASSIGNMENT**

We/I, the undersigned,

STEVEN CARY ROTHMAN, LORI ANN MAGGIO-HALL, RICK W. YE, BRIAN JAMES PAUL

(hereafter referred to as the Assignor(s))

for valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell, assign, and transfer to Bulamax Advanced Biofuels LLC, 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 (hereafter referred to as the Assignee), his/her entire right, title, and interest in and to

United States Patent Application No. 14/142398, filed on December 27, 2013 and which is identified as Case Number CL5837USNP, entitled "DHAD VARIANTS FOR BUTANOL PRODUCTION;"

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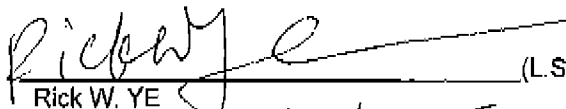
We/I, the undersigned, agree, whenever requested, to communicate to Assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers, or instruments necessary or required by 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 Assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

\_\_\_\_\_(L.S.)  
Steven Cary ROTHMAN

\_\_\_\_\_(L.S.)  
Lori Ann MAGGIO-HALL

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Rick W. YE

\_\_\_\_\_(L.S.)  
Brian James PAUL

DATE: 6/5/2015

DATE: \_\_\_\_\_

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\_\_\_\_\_(L.S.)  
Steven Cary ROTHMAN


DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Lori Ann MAGGIO-HALL

DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Rick W. YE

DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Brian James PAUL

DATE: May 28, 2015