PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2940026

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT DICOSIMO	09/30/2013
ARTHUR LEO KRUCKEBERG	09/23/2013
THOMAS EDWIN VAN AKEN	09/18/2013

RECEIVING PARTY DATA

Name:	BUTAMAX ADVANCED BIOFUELS LLC
Street Address:	ROUTE 141 & HENRY CLAY
Internal Address:	DUPONT EXPERIMENTAL STATION, BUILDING 356
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19880-0356

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13525075

CORRESPONDENCE DATA

Fax Number: (302)355-3982

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.

Phone: 302-999-4143

Email: CAROL.A.REEDER@DUPONT.COM

Correspondent Name: MARK EDWARDS Address Line 1: 974 CENTRE ROAD

Address Line 2: **CHESTNUT RUN PLAZA 721**

Address Line 4: WILMINGTON, DELAWARE 19805

ATTORNEY DOCKET NUMBER:	CL5145USCIP
NAME OF SUBMITTER:	CAROL REEDER
SIGNATURE:	/CAROL REEDER/
DATE SIGNED:	07/16/2014

Total Attachments: 3

source=20131001_CL5145USCIP_Assignment#page1.tif source=20131001_CL5145USCIP_Assignment#page2.tif

PATENT REEL: 033320 FRAME: 0504 502893428

 $source = 20131001_CL5145USCIP_Assignment\#page3.tif$

PATENT REEL: 033320 FRAME: 0505

ASSIGNMENT

We/I, the undersigned,

ROBERT DICOSIMO, ARTHUR LEO KRUCKEBERG, THOMAS EDWIN VAN AKEN

(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, little, and interest in and to

United States Patent Application No. 13/525075, filed on June 15, 2012 and which is identified as Case Number CL5145-US-CIP; entitled "IN SITU EXPRESSION OF LIPASE FOR ENZYMATIC . PRODUCTION OF ALCOHOL ESTERS DURING FERMENTATION;"

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; 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, little, and interest would have been held and enjoyed by the Assignor(s) had this assignment and sale not been made

We/l, 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.

Robert Cours (LS)	(L.S.)
ROBERT DICOSIMO	THOMAS EDWIN VAN AKEN
DATE: Sapodanher 30, 2013	DATE:
(L.S.)	
ARTHUR LEO KRUCKEBERG DATE:	

<u>ASSIGNMENT</u>

We/I, the undersigned,

ROBERT DICOSIMO, ARTHUR LEO KRUCKEBERG, THOMAS EDWIN VAN AKEN

(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. 13/525075, filed on June 15, 2012 and which is identified as Case Number CL5145-US-CIP, entitled "IN SITU EXPRESSION OF LIPASE FOR ENZYMATIC PRODUCTION OF ALCOHOL ESTERS DURING FERMENTATION:"

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.

	(L.S.)	•	(L,S.)
ROBERT DICOSIMO	,	THOMAS EDWIN VAN AKEN	
DATE:		DATE:	THE RESIDENCE OF THE STATE OF T
(1125)	(L.S.)		
ARTHUR LEO KRUCKEBERG	,		
DATE: 15/12/13/19/19			

PATENT REEL: 033320 FRAME: 0507

ASSIGNMENT

We/I, the undersigned,

ROBERT DICOSIMO, ARTHUR LEO KRUCKEBERG, THOMÁS EDWIN VAN AKEN

(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. 19/525075, filed on June 15, 2012 and which is identified as Case Number CL6145-US-CIP, entitled "IN SITU EXPRESSION OF LIPASE FOR ENZYMATIC PRODUCTION OF ALCOHOL ESTERS DURING FERMENTATION:"

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 Assigner(s) had this assignment and sale not been made

We/l, 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.

N

(L.S.) THOMAS EDWIN VAN AKEN (LS.)
DATE:	DATE: 5 2017 19 2013
(L.\$. ARTHUR LEO KRUCKEBERG DATE:)

PATENT REEL: 033320 FRAME: 0508

RECORDED: 07/16/2014