

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3101603

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	1	
CONVEYING PARTY DATA		
	Name	Execution Date
	JOHN G. PENDERGAST JR	12/03/2013
RECEIVING PARTY DATA		
Name:	DOW GLOBAL TECHNOLOGIES LLC	
Street Address:	2040 DOW CENTER	
City:	MIDLAND	
State/Country:	MICHIGAN	
Postal Code:	48674	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14007531
CORRESPONDENCE DATA		
Fax Number:	(989)636-3237	
<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>		
Phone:	989-636-7934	
Email:	kswertz@dow.com	
Correspondent Name:	KATHY WERTZ	
Address Line 1:	2040 DOW CENTER	
Address Line 4:	MIDLAND, MICHIGAN 48674	
ATTORNEY DOCKET NUMBER:	70953-US-PCT	
NAME OF SUBMITTER:	KATHY WERTZ	
SIGNATURE:	/Kathy Wertz/	
DATE SIGNED:	11/10/2014	
Total Attachments: 2		
source=70953 Inventor to DGTL#page1.tif		
source=70953 Inventor to DGTL#page2.tif		

This Assignee Acceptance form is in the ENGLISH language and has the same meaning in other languages with the same USF number.

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FORM 669

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: December 3, 2013

From, the ASSIGNOR: John G. Pendergast, Jr., 60 Parsley Court, Lake Jackson, Texas 77566,
 United States of America, Citizen of United States of America

of the invention entitled:

**APPARATUS AND PROCESS FOR NITRATION SELECTIVITY FLEXIBILITY ENABLED BY
 AZEOTROPIC DISTILLATION**

without any restrictions and with all rights and obligations deriving therefrom and declare that this
 confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA

this 10 day of December, 20 13

CORP.
 SEAL

DOW GLOBAL TECHNOLOGIES LLC

By: Susan M. Zerull

SUSAN M. ZERULL

Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
 STATE OF MICHIGAN) SS
 County/Parish of Midland)

On this 10 day of December, 20 13, personally appeared
 before me, **SUSAN M. ZERULL, Authorized Representative**,

known or identified to me to be the individual described in and who executed the foregoing document
 and acknowledged the same as a free act and deed for uses and purposes therein expressed by
 authority of the said entity organized and existing under the laws of the **State of Delaware, United
 States of America**.

I further certify that said authority, dated **June 1, 2012**, is based on

A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign
 the foregoing document on behalf of the said entity and that the purposes for which said document is
 granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wortz

Kathy Sue Wortz
 Kathy Sue Wortz
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2018

PATENT

REEL: 034138 FRAME: 0447

This Assignment (110) is in the English (110) language and has the same meaning in other languages with the same (110) number and (110) date.

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FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: **APPARATUS AND PROCESS FOR NITRATION SELECTIVITY FLEXIBILITY ENABLED BY AZEOTROPIC DISTILLATION**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC
2040 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the state of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominees(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
1329/CTE/2011	April 18, 2011	India

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recording of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Freeport, Texas
this 3 day of December, 20 13
Effective as of April 18, 2011
Signature: [Signature]
Full Name: John G. Pendergast, Jr.
Residence: 40 Parsley Court - 13808 Lakewater
Lake Jackson, Texas 77566
Country: United States of America Pearland
Citizenship: United States of America Texas
P.O. Address: Same as Residence 77584
Employed By: The Dow Chemical Company
Of Country: United States of America

At: _____
this _____ day of _____, 20 ____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20 ____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20 ____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

13808 Lakewater Dr.
Pearland, Texas
77584

PATENT