#### 504399932 06/06/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4446629

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
THE DOW CHEMICAL COMPANY	05/27/2015

### **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:	15533508

### **CORRESPONDENCE DATA**

Fax Number: (937)449-6405

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: 9374496400

Email: beth.bane@dinsmore.com **Correspondent Name: DINSMORE & SHOHL LLP** 

Address Line 1: ONE SOUTH MAIN ST., FIFTH THIRD CENTER

Address Line 2: **SUITE 1300** 

Address Line 4: DAYTON, OHIO 45402

ATTORNEY DOCKET NUMBER:	77141-US-PCT/DOW77141PA
NAME OF SUBMITTER:	MATTHEW A. MOLLOY
SIGNATURE:	/Matthew A. Molloy/
DATE SIGNED:	06/06/2017

### **Total Attachments: 3**

source=Assignment\_Dow\_Chemical\_to\_Dow\_Global\_Technologies#page1.tif source=Assignment Dow Chemical to Dow Global Technologies#page2.tif source=Assignment Dow Chemical to Dow Global Technologies#page3.tif

කරනවක හිනිවක හිනවක හිනවක හිනවක වෙනවක හිනවක වෙනවක හිනවක වෙනවක වෙනව වෙනවක වෙ

This Assignce Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number. FORM 660

# ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT which is dated: May 27, 2015
effective as of December 17, 2014

From, the ASSIGNOR:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

of the invention entitled:

### APPARATUS USED IN A FLUIDIZED REACTION PROCESS

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.

21800	d at	Midland,	Michigan 4867	4, USA			
this 4	With_	day of	Mau	y	20 1	<u> </u>	
			1				
	CORP.		DOW	GLOBAL TEC	CHNOI	LOGIES LLC	
77) 154	SEAL				iA		
			Ву:	Littlen.		-Care	****
	1		St	usan m. zeri	ULL		

Authorized Representative

# NOTARIAL CERTIFICATE

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

On this <u>OM</u> day of <u>NOW</u>, 20<u>15</u>, 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, 2014, 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.

NOTARY PUBLIC

SEAL

Hebrory Sus Hallingsbood NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPERS Revember 25, 2018

This Assignment 440 is in the ENCLISH language and has the same meaning in other languages with the same 440 number **FORM 440** 

# ASSIGNMENT

(with Priority Rights)

and

## INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Don F. Shaw, 4 West Main Street, Rockaway, New Jersey 07866, United States of America

by an Assignment dated: February 2, 2015of an invention relating to and entitled:

#### APPARATUS USED IN A FLUIDIZED REACTION PROCESS

We do hereby declare, for good and valuable consideration effective as of December 17, 2014, received, sell, assign, and transfer unto:

WE, the ASSIGNEE:

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, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number Filing Date		Filing Country	
62/092,947	December 17, 2014	United States of America	

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

	Application Number	Filing Date	Filing Country	
- 1	i			
- 1			1	
		\	\	

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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 Sworn by us at Midland, Michigan 48674, USA

THE DOW CHEMICAL COMPANY

DARRYL P. FRÎCKEY Authorized Representative

Attach Notarial Certificate

This Motarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number. FORM 550

# NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) \$S )	
On this day of	2	·
known or identified to me to be the individuand acknowledged the same as a free act an authority of the said entity organized and ex States of America.	i deed for uses and p	surposes therein expressed by
I further certify that said authority, dated Ju	ly 12, 2013, is based	ion

a Certified Resolution

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 Wertz

MOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2018

Maria Caracteria Carac

RECORDED: 06/06/2017