504911285 05/11/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4958029

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THE DOW CHEMICAL COMPANY	01/13/2016

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:	15761557

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: katherine.ghearing@dinsmore.com

Correspondent Name: DINSMORE & SHOHL LLP

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

Address Line 2: SUITE 1300

Address Line 4: DAYTON, OHIO 45402

ATTORNEY DOCKET NUMBER:	78040-US-PCT	
NAME OF SUBMITTER:	KATHERINE GHEARING	
SIGNATURE:	/Katherine Ghearing/	
DATE SIGNED:	05/11/2018	

Total Attachments: 3

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PATENT 504911285 REEL: 045781 FRAME: 0524

◆660 ◆ 660

This Assignee 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** effective as of September 30, 2015 From, the ASSIGNOR: THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 **United States of America** of the invention entitled: CATALYST REGENERATOR AND A RISER TERMINATOR USED THEREIN 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 DOW GLOBAL TECHNOLOGIES LLC CORP. SEAL SUSAN M. ZERULL **Authorized Representative NOTARIAL CERTIFICATE**

UNITED STATES OF AMERICA)		
STATE OF MICHIGAN) SS		
County/Parish of Midland)		
On this 14 day of January, 2016, 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.

SEAL

Kathy Sue Wertz

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

> **PATENT** REEL: 045781 FRAME: 0525

\$\\^{440}\circ\$ 440\circ\$ 440\circ\$

This Assignment 440 is in the ENGLISH 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):

Richard E. Walter, 157 Black River Road, Long Valley, New Jersey 07853, United States of America and Don F. Shaw, 7 Magnolia Ave, Denville, New Jersey 07834, United States of America

by an Assignment dated: October 28, 2015, respectively of an invention relating to and entitled:

CATALYST REGENERATOR AND A RISER TERMINATOR USED THEREIN

We do hereby declare, for good and valuable consideration effective as of September 30, 2015, 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
14/870,368	September 30, 2015	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

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

his 🚺 day of

January

THE DOW CHEMICAL COMPANY

CORP.

DARRYL P. FRICKE Authorized Representative

Attach Notarial Certificate

PATENT REEL: 045781 FRAME: 0526 This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	SS
before me, DARRYL P. FRICKEY, Autl	rized Representative, described in and who executed the foregoing document
	eed for uses and purposes therein expressed by ing under the laws of the State of Delaware, United
I further certify that said authority dated Inl.	12 2013 is based on

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.

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

PATENT REEL: 045781 FRAME: 0527

RECORDED: 05/11/2018