### 502523803 10/08/2013

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2568994

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY [	DATA					
Name Execution Date						
THE DOW CHEMICAL COMPANY			valle	09/14/2011		
RECEIVING PARTY D	ATA					
Name:	DOW GLOBA	DOW GLOBAL TECHNOLOGIES LLC				
Street Address:	2040 DOW C	2040 DOW CENTER				
City:	MIDLAND	MIDLAND				
State/Country:	MICHIGAN	MICHIGAN				
Postal Code:	48674	48674				
Property Type			Number			
Application Number: 12992		12992	508			
CORRESPONDENCE	DATA					
Fax Number:	(989	237				
Phone:						
Email: roedel@dow.com						
Correspondence will be Correspondent Name:			n the email attempt is unsuccessful.			
Correspondent Name: MATTHEW ROEDEL Address Line 1: 2040 DOW CENTER						
Address Line 4: MIDLAND, MICHIGAN 48674						
ATTORNEY DOCKET NUMBER:			67436-US-PCT			
NAME OF SUBMITTER:			MATTHEW ROEDEL			
Signature:		/Matthew Roedel/				
Date:		10/08/2013				
Total Attachments: 3 source=67436-US-PCT	20131008 KJN	Dow Ch	nemical to DGTL#page1.tif			

PATENT REEL: 031360 FRAME: 0268

source=67436-US-PCT 20131008 KJN Dow Chemical to DGTL#page2.tif source=67436-US-PCT 20131008 KJN Dow Chemical to DGTL#page3.tif

●440 ● 440

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)

#### INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

a corporation 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):

Brandon M. Simmons, 10625 North Cedars Road, Seymour, Indiana 47274, United States of America, Citizen of United States of America; David F. May, 3900 Lakeside Drive, Columbus, Indiana 47203, United States of America, Citizen of United States of America; and Cheng G. Li, 1314 Springfield Drive, Midland, Michigan 48642, United States of America, Citizen of United States of America; Clark H. Cummins, 5811 Stillwater Lane, Midland, Michigan 48642, United States of America

by an Assignment dated: June 11, 2009, August 11, 2008; April 15, 2009, and effective as of July 3, 2008, of an invention relating to and entitled:

# IMPROVED METHOD OF OPERATING A COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

a Limited Liability Company 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
61/078,057	July 3, 2008	the 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

CORP. SEAL THE DOW CHEMICAL COMPANY

Sy:

Assistant General Counsel - IP Law

Attach Notarial Certificate (Corporation)

●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** 

hereby accept the ASSIGNMENT attached hereto which is dated: September 14, 2011

From, the ASSIGNOR:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

of the invention entitled:

IMPROVED METHOD OF OPERATING A COMPRESSION IGNITION INTERNAL **COMBUSTION ENGINE** 

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.

Midland, Michigan 48674, USA

CORP. **SEAL** 

DOW GIAGBAL TECHNOLOGIES LLC

Authorized Representative

## NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA STATE OF MICHIGAN

County/Parish of Midland

On this 15 day of Seatlember before me, JOHN B. TREANGEN, 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 Limited Liability Company incorporated under the laws of the State of Delaware, United States of America.

I further certify that said authority, dated January 6, 2011, 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 Limited Liability Company and that the purposes for which said document is granted are within the scope of the objects or activities of said Limited

Liability Company.

SEAL

UHLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2012

> **PATENT** REEL: 031360 FRAME: 0270

●550 ● 550 ●

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

### NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA	)
STATE OF MICHIGAN	) SS
County/Parish of Midland	
On this14_ day ofSeptembefore me, DARRYL P. FRICKEY, Ass	bec, 20 // , personally appeared sistant General Counsel – IP Law,
known or identified to me to be the individu and acknowledged the same as a free act and	all described in and who executed the foregoing document d deed for uses and purposes therein expressed by rated under the laws of the State of Delaware, United
States of America.	

I further certify that said authority, dated April 6, 2011, is based on

#### a Certified Resolution

which I have seen, appointing the said individual **Assistant General Counsel – IP Law** with full power to sign the foregoing document on behalf of the said **corporation** and that the purposes for which said document is granted are within the scope of the objects or activities of said **corporation**.

**SEAL** 

**RECORDED: 10/08/2013** 

NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2012

PATENT REEL: 031360 FRAME: 0271