

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2821347

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THE DOW CHEMICAL COMPANY	02/24/2011
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:	13825610
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 via US Mail.</i>		
Phone:	9896360618	
Email:	roedel@dow.com	
Correspondent Name:	MATTHEW ROEDEL	
Address Line 1:	2040 DOW CENTER	
Address Line 4:	MIDLAND, MICHIGAN 48674	
ATTORNEY DOCKET NUMBER:	69216-US-PCT	
NAME OF SUBMITTER:	MATTHEW ROEDEL	
SIGNATURE:	/Matthew Roedel/	
DATE SIGNED:	04/21/2014	
Total Attachments: 5		
source=69216-US-PCT 20140421 DRH Dow Chemical to DGTL#page1.tif		
source=69216-US-PCT 20140421 DRH Dow Chemical to DGTL#page2.tif		
source=69216-US-PCT 20140421 DRH Dow Chemical to DGTL#page3.tif		
source=69216-US-PCT 20140421 DRH Dow Chemical to DGTL#page4.tif		
source=69216-US-PCT 20140421 DRH Dow Chemical to DGTL#page5.tif		

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

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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

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):

Palanichamy Manikandan, B2-401, Lunkad Amazon, Viman Nagar, Pune-411014, India, Citizen of India; Sreenivasa Rao, A2/302, Kumar Prerna Apts, DP Road, Aundh, Pune-411007, India, Citizen of India; and Phani K. Bollapragada, 22, Buena Monte, NCL Society, Pashan Road, Pune-411008, India, Citizen of India

by an Assignment dated: January 5, 2011
of an invention relating to and entitled:

HETEROGENEOUS CATALYSTS

We do hereby declare, for good and valuable consideration, effective as of October 11, 2010, 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
61/391,742	October 11, 2010	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**

this 24 day of February, 20 11

CORP.
SEAL

THE DOW CHEMICAL COMPANY

By Michael L. Glenn
MICHAEL L. GLENN
Authorized Representative

Attach Notarial Certificate (Corporation)

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

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 this 24 day of February, 2011, personally appeared before me, **MICHAEL L. GLENN, 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 Corporation incorporated under the laws of the **State of Delaware, United States of America**.

I further certify that said authority, dated **February 9, 2006**, is based on
an authority of a Resolution by the Board of Directors

which I have seen, appointing the said individual Authorized Representative 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

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

PATENT

REEL: 032715 FRAME: 0418

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

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: February 24, 2011

From, the ASSIGNOR:
THE DOW CHEMICAL COMPANY
2030 Dow Center
Midland, Michigan 48674
United States of America

of the invention entitled:

HETEROGENEOUS CATALYSTS

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 24 day of February, 20 11

CORP.
SEAL

DOW GLOBAL TECHNOLOGIES LLC

By:

John B. Treangen
JOHN B. TREANGEN
 Authorized Representative

NOTARIAL CERTIFICATE (Corporation)

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

On this 24 day of February, 20 11, personally appeared 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

Kathy Sue Wertz
Kathy Sue Wertz
 NOTARY PUBLIC, MICHIGAN COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2012

Form 831 is in the ENGLISH language and has the same meaning in other languages with the same 831 number.

SUBSCRIBING WITNESS
AFFIDAVIT OF EXECUTION
OF AN ASSIGNMENT

RAJ M. DESHPANDE

D-6 SAIVIHAR APTS, KARVENAGAR, PUNE 411052, INDIA

Signed at: Kure

Prashant Deshpande
Subscribing Witness

This Form 881 is in the ENGLISH language and has the same meaning in other languages with the same 881 number.

Form 881 is in the ENGLISH language and has the same meaning in other languages with the same 881 number.

FORM 881

SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT

I,

RAJ M. DESHPANDE

Whose full post office address is:

D-6 SAINIHAR APTS, KARVENAGAR, PUNE 411052, INDIA

Make oath and say that I was personally present and did see:

C. Sreenivasa Rao

Who is/are personally known or identified to me to be the inventor(s) named in the attached assignment, duly sign and execute the same for the purposes therein stated.

Signed at: Pune

On this 5th day of January, 2011

R. Deshpande

X

Subscribing Witness

08/90