503829929 05/17/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3876579

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------------|----------------|
| DOW CHEMICAL INTERNATIONAL PVT. LTD. | 01/25/2012 |

RECEIVING PARTY DATA

| Name: | DOW INTERNATIONAL TECHNOLOGY CORPORATION |
|-----------------|--|
| Street Address: | 2030 DOW CENTER |
| City: | MIDLAND |
| State/Country: | MICHIGAN |
| Postal Code: | 48674 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14364696 |

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: 937/449-6400

Email: theresa.oldfield@dinsmore.com
Correspondent Name: DINSMORE & SHOHL LLP

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

Address Line 2: SUITE 1300

Address Line 4: DAYTON, OHIO 45402

| ATTORNEY DOCKET NUMBER: | DOCKET NUMBER: DOW 70424 PA/40224-387 | |
|-------------------------|--|--|
| NAME OF SUBMITTER: | THERESA OLDFIELD | |
| SIGNATURE: | /Theresa Oldfield/ | |
| DATE SIGNED: | 05/17/2016 | |

Total Attachments: 2

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PATENT 503829929 REEL: 038619 FRAME: 0498

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 INTERNATIONAL TECHNOLOGY CORPORATION

2030 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: January 25, 2012; effective as of December 15, 2011

From, the ASSIGNOR:

DOW CHEMICAL INTERNATIONAL PVT. LTD.

Corporate Park Unit No. 1 V.N. Purav Marg

Chembur-Mumbai 400 071

India

of the invention entitled:

REDUCTIVE DEHYDROXYLATION OF VICINAL POLYOLS TO OLEFINS USING AN IODINE-BASED CATALYST HAVING ENHANCED SOLUBILITY

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, Michi | gan 48674, USA |
|-----------|----------------|--|
| this 2 | 5 day of Janu | eare, 20 12_ |
| | / | DOW INTERNATIONAL TECHNOLOGY CORPORATION |
| CO | RP. | |
| SEA | AL | By: |
| | | DARRYL P. FRICKEY Secretary |

NOTARIAL CERTIFICATE (Corporation)

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

On this 25 day of January, 2012, personally appeared before me, DARRYL P. FRICKEY, Secretary,

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 April 1, 2011, is based on

an Authorization Policy of the said Corporation

which I have seen, appointing the said individual Secretary 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

BLIC Kathy Sue Wertz NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN

MY COMMISSION EXPIRES APRIL 07, 2012

PATENT

REEL: 038619 FRAME: 0499

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

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:

DOW CHEMICAL INTERNATIONAL PVT. LTD.

Corporate Park Unit No. I V.N. Purav Marg

Chembur-Mumbai 400 071

India

a corporation organized and existing under the laws of INDIA 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):

Raj Deshpande, D-6, Sai Vihar Apts. Karvenagar, Pune-411052, India, Citizen of India; Paul Davis, R-301, IRIS, Magarpatta City, Hadaspar, Pune-411013, India, Citizen of India; Vandana Pandey, B-4/5, Utkarsh Nagar, Had, Pune-411028, India, Citizen of India; and Nitin Kore, 24/2, Swami Vivekanand Socity-2, Vilajapur Road, Solapur-413004, India, Citizen of India

by an Assignment dated: January 18, 2012 and January 9, 2012 and , respectively of an invention relating to and entitled: REDUCTIVE DEHYDROXYLATION OF VICINAL POLYOLS TO OLEFINS USING AN IODINE-BASED CATALYST HAVING ENHANCED SOLUBILITY

We do hereby declare, for good and valuable consideration effective as of December 15, 2011, received, sell, assign, and transfer unto:

WE, the ASSIGNEE:

DOW INTERNATIONAL TECHNOLOGY CORPORATION

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 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 |
| 61/570.952 | December 15, 2011 | 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 Mumbai
this 25th day of January, 2012

DOW CHEMICAL INTERNATIONAL PVT. LTD.

CORP.
SEAL

By:

VIPUL S. SHAH Country President

Attach Subscribing Witness

PATENT REEL: 038619 FRAME: 0500

RECORDED: 05/17/2016