

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4327133

|   |   |                       |
|---|---|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                          |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                              |                       |
| <b>CONVEYING PARTY DATA</b>   |   |                       |
|   | <b>Name</b>                             | <b>Execution Date</b> |
|   | THE DOW CHEMICAL COMPANY                | 03/23/2012            |
| <b>RECEIVING PARTY DATA</b>   |   |                       |
| <b>Name:</b>  | DOW GLOBAL TECHNOLOGIES LLC             |                       |
| <b>Street Address:</b>  | 2040 DOW CENTER                         |                       |
| <b>City:</b>  | MIDLAND                                 |                       |
| <b>State/Country:</b>   | MICHIGAN                                |                       |
| <b>Postal Code:</b>   | 48674                                   |                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |                       |
|   | <b>Property Type</b>                    | <b>Number</b>         |
|   | Application Number:                     | 14234577              |
| <b>CORRESPONDENCE DATA</b>  |   |                       |
| <b>Fax Number:</b>  | (215)938-1982                           |                       |
| <i>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.</i> |   |                       |
| <b>Phone:</b>   | 215-938-1981                            |                       |
| <b>Email:</b>   | GARYCOHN@SEATTLEPATENT.COM              |                       |
| <b>Correspondent Name:</b>  | THE DOW CHEMICAL COMPANY -- GARY C COHN |                       |
| <b>Address Line 1:</b>  | 325 7TH AVENUE, #203                    |                       |
| <b>Address Line 4:</b>  | SAN DIEGO, CALIFORNIA 92101             |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 71202-US-PCT                            |                       |
| <b>NAME OF SUBMITTER:</b>   | GARY C COHN                             |                       |
| <b>SIGNATURE:</b>   | /garyccohn/                             |                       |
| <b>DATE SIGNED:</b>   | 03/20/2017                              |                       |
| <b>Total Attachments: 3</b>   |   |                       |
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| source=71202_TDCC-DGTL#page2.tif  |   |                       |
| source=71202_TDCC-DGTL#page3.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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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):

Esther E. Quintanilla, Blancefloerlaan, 175 bus 52, 2050 Antwerpen, Belgium, Citizen of Spain; Francois M. Casati, Etzelstrasse 25, 8808 Pfaffikon, Switzerland, Citizen of France; Ricco B. Borella, Zurlindenstrasse 59, 8003 Zuerich, Switzerland, Citizen of Denmark; Paul Cookson, Froberg 7, 8833 Samstagen, Switzerland, Citizen of United Kingdom; Hanno R. Van der Wal, Kreeksingel 4, 4542 BP Hoek, Netherlands, Citizen of Netherlands; Myriam Linke, Buizerd 10, 4533 GK Terneuzen, Netherlands, Citizen of France; and Jean-Paul Masy, Eikenlaan 26, 9070 Destelbergen, Belgium, Citizen of Belgium

by an Assignment dated: January 6, 2012; January 9, 2012; January 10, 2012; January 14, 2012; and January 16, 2012; with an effective date as of August 25, 2011

of an invention relating to and entitled:

## PROCESS FOR MAKING POLYETHER ALCOHOLS HAVING OXYETHYLENE UNITS BY POLYMERIZATION OF ETHYLENE CARBONATE IN THE PRESENCE OF DOUBLE METAL CYANIDE CATALYSTS

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           |
|-----------------|-----------------|--------------------------|
| 61/527,299      | August 25, 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 **Midland, Michigan 48674, USA**

this 23rd day of March, 20 12

CORP  
SEAL

**THE DOW CHEMICAL COMPANY**

By:   
**DARRYL P. FRICKEY**  
 Assistant General Counsel - IP Law

Attach Notarial Certificate (Corporation)

[illegible]

## NOTARIAL CERTIFICATE (Corporation)

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

On this 23rd day of March, 2012, personally appeared before me, **DARRYL P. FRICKEY, Assistant General Counsel - IP Law**, 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 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

Rebecca Sue Hollingshead

*Rebecca Sue Hollingshead*  
NOTARY PUBLIC, Kalamazoo County, Michigan  
MY COMMISSION EXP RES NOVEMBER 25, 2012

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

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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: March 23, 2012;  
 with an effective date as of August 25, 2011

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

of the invention entitled:

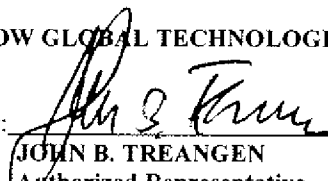
**PROCESS FOR MAKING POLYETHER ALCOHOLS HAVING OXYETHYLENE UNITS BY  
 POLYMERIZATION OF ETHYLENE CARBONATE IN THE PRESENCE OF DOUBLE  
 METAL CYANIDE CATALYSTS**

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 26 day of March, 20 12

CORP.  
 SEAL

**DOW GLOBAL TECHNOLOGIES LLC**

By:   
**JOHN B. TREANGEN**  
 Authorized Representative

## NOTARIAL CERTIFICATE (Corporation)

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

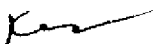
On this 26 day of March, 20 12, personally appeared  
 before me, **JOHN B. TREANGEN, Authorized Representative**,  
 known or identified to me to be the individual described in and who executed the foregoing document  
 and acknowledged the same as a free act and deed for uses and purposes therein expressed 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**  
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN  
 MY COMMISSION EXPIRES APRIL 07, 2018