

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3823101

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RICHARD J. KEATON	06/04/2012
PETER M. MARGL	05/23/2012
SCOTT D. BOELTER	05/23/2012
DUANE R. ROMER	05/23/2012
DEBRA L. NOWLIN	05/23/2012
NATHAN WILMOT	08/14/2012
RAJAT DUGGAL	08/09/2012
DAVID R. WILSON	05/23/2012
DEAN M. WELSH	05/23/2012
<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>
<b>Application Number:</b>	14390714
<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>	71431 US-PCT
<b>NAME OF SUBMITTER:</b>	GARY C COHN

<b>SIGNATURE:</b>	/garyccohn/
<b>DATE SIGNED:</b>	04/10/2016
<b>Total Attachments: 5</b> source=71431 Assignment#page1.tif source=71431 Assignment#page2.tif source=71431 Assignment#page3.tif source=71431 Assignment#page4.tif source=71431 Assignment#page5.tif	

**660**

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

REEL: 038238 FRAME: 0302

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and RAC.

(with Priority Rights)

**PATENT**  
**REEL: 038238 FRAME: 0303**

Additional names, addresses and signatures to be attached to Form No. 110 **INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION**

At: Philadelphia, Pennsylvania USA  
 this 23 day of MAY, 20 12  
 Effective as of April 25, 2012

Signature: Debra L. Nowlin  
 Full Name: Debra L. Nowlin  
 Residence: 9296 Dunlavy Ridge Road  
 Pliny, West Virginia 25082  
 Country: United States of America  
 Citizenship: United States of America  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: Freeport, Texas 77541 USA  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: Nathan Wilmot  
 Residence: 2807 Bison Bluff  
 Missouri City, Texas 77459  
 Country: United States of America  
 Citizenship: United States of America  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: Freeport, Texas 77541 USA  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: Rajat Duggal  
 Residence: 11306 Silver Bay Court  
 Pearland, Texas 77584  
 Country: United States of America  
 Citizenship: India  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: Midland, Michigan 48674 USA  
 this 23<sup>rd</sup> day of May, 20 12  
 Effective as of April 25, 2012

Signature: David R. Wilson  
 Full Name: David R. Wilson  
 Residence: 1220 West Stewart Road  
 Midland, Michigan 48640  
 Country: United States of America  
 Citizenship: United States of America  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: Midland, Michigan 48674 USA  
 this 23<sup>rd</sup> day of May, 20 12  
 Effective as of April 25, 2012

Signature: Dean M. Welsh  
 Full Name: Dean M. Welsh  
 Residence: 5605 Lantern Lane  
 Midland, Michigan 48642  
 Country: United States of America  
 Citizenship: United States of America  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Citizenship: \_\_\_\_\_  
 P.O. Address: \_\_\_\_\_  
 Employed By: \_\_\_\_\_  
 Of Country: \_\_\_\_\_

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Citizenship: \_\_\_\_\_  
 P.O. Address: \_\_\_\_\_  
 Employed By: \_\_\_\_\_  
 Of Country: \_\_\_\_\_

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Citizenship: \_\_\_\_\_  
 P.O. Address: \_\_\_\_\_  
 Employed By: \_\_\_\_\_  
 Of Country: \_\_\_\_\_

At: \_\_\_\_\_  
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 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Citizenship: \_\_\_\_\_  
 P.O. Address: \_\_\_\_\_  
 Employed By: \_\_\_\_\_  
 Of Country: \_\_\_\_\_

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Citizenship: \_\_\_\_\_  
 P.O. Address: \_\_\_\_\_  
 Employed By: \_\_\_\_\_  
 Of Country: \_\_\_\_\_

[illegible]

This Assignment ID is in the ENGLISH language and has the same meaning in other languages with the same ID number and R42nr.

FORM 110 (R 5/97)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: **POLYURETHANES MADE USING BISMUTH THIOPHOSPHORIC ACID DIESTER SALTS AS CATALYSTS**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received by my/our work, I/we sell, assign and transfer unto:

**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** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
61/638,344	April 25, 2012	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/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 Declared by me/us:

At: Freeport, Texas 77541 USA  
 this        day of       , 20         
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: Richard J. Keaton  
 Residence: 3108 Peden Bay Drive  
             Pearland, Texas 77584  
 Country: United States of America  
 Citizenship: United States of America  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: Midland, Michigan 48674 USA  
 this        day of       , 20        
 Effective as of April 25, 2012

Signature: \_\_\_\_\_  
 Full Name: Peter M. Margl  
 Residence: 5010 Barto Street  
             Midland, Michigan 48640  
 Country: Michigan 48640  
 Citizenship: Austria  
 P.O. Address: Same as Residence  
 Employed By: The Dow Chemical Company  
 Of Country: United States of America

At: \_\_\_\_\_ Midland, Michigan 48674 USA  
this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_  
Effective as of April 25, 2012

Signature: \_\_\_\_\_  
Full Name: Scott D. Boelter  
Residence: 2131 Brookway Street  
Saginaw, Michigan 48602  
Country: United States of America  
Citizenship: United States of America  
P.O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: \_\_\_\_\_ Midland, Michigan 48674 USA  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of April 25, 2012

Signature: \_\_\_\_\_  
Full Name: Duane R. Romer  
Residence: 4025 Lowell Court  
Midland, Michigan 48642  
Country: United States of America  
Citizenship: United States of America  
P.O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

( X ) Additional names and signatures are attached.

At: \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Full Name: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Citizenship: \_\_\_\_\_  
 P.O. Address: \_\_\_\_\_  
 Employed By: \_\_\_\_\_  
 Of Country: \_\_\_\_\_