

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5069195

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JERZY KLOSIN	04/13/2015
ENDRE SZUROMI	02/06/2015
LIAM P. SPENCER	02/05/2015
<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>	15518672
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(937)449-6405
<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>	9374496400
<b>Email:</b>	daytonipdocket@dinsmore.com
<b>Correspondent Name:</b>	DINSMORE & SHOHL LLP
<b>Address Line 1:</b>	FIFTH THIRD CENTER, ONE S. MAIN ST.
<b>Address Line 2:</b>	SUITE 1300
<b>Address Line 4:</b>	DAYTON, OHIO 45402
<b>ATTORNEY DOCKET NUMBER:</b>	DOW 72837 PA
<b>NAME OF SUBMITTER:</b>	KATHERINE GHEARING
<b>SIGNATURE:</b>	/Katherine Ghearing/
<b>DATE SIGNED:</b>	07/26/2018
<b>Total Attachments: 4</b>	
source=72837 Executed DGTL Assignment#page1.tif	
source=72837 Executed DGTL Assignment#page2.tif	
source=72837 Executed DGTL Assignment#page3.tif	



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 which is dated: April 13, 2015; February 6, 2015; and February 5, 2015; effective as of December 4, 2014.

From, the ASSIGNOR: Jerzy Klocin, 2209 Parkwood Drive, Midland, Michigan 48642, United States of America, Citizen of Poland; Endre Szuroni, 107 Eagle Nest Court, Richwood, Texas 77566, United States of America, Citizen of Hungary; and Liam P. Spencer, 2602 Joshua Tree Lane, Manvel, Texas 77578, United States of America, Citizen of Canada

of the invention entitled:

**FIVE-COORDINATE BIS-PHENYLPHENOXY CATALYSTS FOR THE PREPARATION OF ETHYLENE-BASED POLYMERS**

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 12 day of May, 20 15

CORP.  
SEAL

**DOW GLOBAL TECHNOLOGIES LLC**

By: Susan M. Zerull

**SUSAN M. ZERULL**

Authorized Representative

## NOTARIAL CERTIFICATE

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

On this 12 day of May, 2015, personally appeared before me, **SUSAN M. ZERULL, 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 entity organized and existing under the laws of the **State of Delaware, United States of America**.

I further certify that said authority, dated **June 1, 2014**, 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 entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Werz  
 NOTARY PUBLIC

*Kathy Sue Werz*  
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN  
 MY COMMISSION EXPIRES APRIL 07, 2016

**PATENT**

**REEL: 046472 FRAME: 0375**

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: FIVE-COORDINATE BIS-PHENYLPHENOXY CATALYSTS FOR THE PREPARATION OF ETHYLENE-BASED POLYMERS

**Dow Global Technologies LLC**  
2040 Dow Center  
Midland, Michigan 48674  
United States of America

Priority Number	Filing Date	Filing Country
62/087,621	December 4, 2014	United States of America

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.

At: Midland MI  
 this 13 day of April, 20 15  
 Effective as of December 4, 2014

Signature: Jerry Klosin  
 Full Name: Jerzy Klosin  
 Residence: 2209 Parkwood Drive  
 Midland, Michigan 48642  
 Country: United States of America  
 Citizenship: Poland  
 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 December 4, 2014

Signature: \_\_\_\_\_

Full Name: Endre Szuromi  
Residence: 107 Eagle Nest Court  
Richwood, Texas 77566  
Country: United States of America  
Citizenship: Hungary  
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 December 4, 2014

Signature: \_\_\_\_\_

Full Name: Liam P. Spencer  
Residence: 2602 Joshua Tree Lane  
                  Manvel, Texas 77578  
Country: United States of America  
Citizenship: Canada  
P.O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

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

**PATENT**  
**REEL: 046472 FRAME: 0376**

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

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FORM 110 (8.5.97)

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

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: **FIVE-COORDINATE BIS-PHENYLPHENOXY CATALYSTS FOR THE PREPARATION OF ETHYLENE-BASED POLYMERS**

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 for my/our work, I/we sell, assign and transfer unto:

**Dow Global Technologies LLC**  
2040 Dow Center  
Midland, Michigan 48674  
United States of America

an entity 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
62/087,621	December 4, 2014	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: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of December 4, 2014

Signature: \_\_\_\_\_  
Full Name: Jerzy Klosin  
Residence: 2209 Parkwood Drive  
Midland, Michigan 48642  
Country: United States of America  
Citizenship: Poland  
P.O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: Dow Chemical, Freeport, TX  
this 6th day of February, 2015  
Effective as of December 4, 2014

Signature: [Signature]  
Full Name: Endre Szuroni  
Residence: 107 Eagle Nest Court  
Richwood, Texas 77566  
Country: United States of America  
Citizenship: Hungary  
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 December 4, 2014

Signature: \_\_\_\_\_  
Full Name: Liam P. Spencer  
Residence: 2602 Joshua Tree Lane  
Manvel, Texas 77578  
Country: United States of America  
Citizenship: Canada  
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 December 4, 2014

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

( ) Additional names and signatures are attached.

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FORM 110 (R 5/97)

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(with Priority Rights)

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: **FIVE-COORDINATE BIS-PHENYLPHENOXY CATALYSTS FOR THE PREPARATION OF ETHYLENE-BASED POLYMERS**

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 for my/our work, I/we sell, assign and transfer unto:

**Dow Global Technologies LLC**  
2040 Dow Center  
Midland, Michigan 48674  
United States of America

an entity 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
62/087,621	December 4, 2014	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: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of December 4, 2014

Signature: \_\_\_\_\_  
Full Name: Jerzy Klosin  
Residence: 2209 Parkwood Drive  
Midland, Michigan 48642  
Country: United States of America  
Citizenship: Poland  
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 December 4, 2014

Signature: \_\_\_\_\_  
Full Name: Endre Szuromi  
Residence: 107 Eagle Nest Court  
Richwood, Texas 77566  
Country: United States of America  
Citizenship: Hungary  
P.O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: Freeport, TX  
this 5th day of February, 20 15  
Effective as of December 4, 2014

Signature: Liam P. Spencer  
Full Name: Liam P. Spencer  
Residence: 2602 Joshua Tree Lane  
Manvel, Texas 77578  
Country: United States of America  
Citizenship: Canada  
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 December 4, 2014

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

( ) Additional names and signatures are attached.

PATENT

RECORDED: 07/26/2018

REEL: 046472 FRAME: 0378