

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3884461

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JERZY KLOSIN	02/20/2014
PHILIP P. FONTAINE	03/13/2014
RUTH FIGUEROA	03/05/2014
DAVID M. PEARSON	03/05/2014
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:	15032150
CORRESPONDENCE DATA	
Fax Number:	(860)286-0115
<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>	
Phone:	8602862929
Email:	Inolan@cantorcolburn.com
Correspondent Name:	CANTOR COLBURN LLP
Address Line 1:	20 CHURCH STREET
Address Line 2:	22ND FLOOR
Address Line 4:	HARTFORD, CONNECTICUT 06103
ATTORNEY DOCKET NUMBER:	DC140002US2
NAME OF SUBMITTER:	J. MICHAEL BUCHANAN
SIGNATURE:	/J. Michael Buchanan/
DATE SIGNED:	05/23/2016
Total Attachments: 7	
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TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared. The original document(s) contains the authentic signature(s) from the inventor(s).

at Midland, Michigan 48674, USA

this 18th day of April 20 16



Toni LaLonde
Office Professional
THE DOW CHEMICAL COMPANY

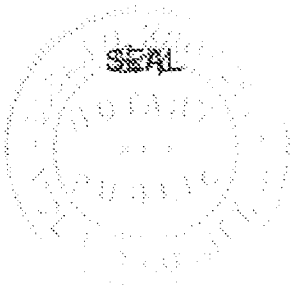
NOTARIAL CERTIFICATE

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

On this 18th day of April 20 16, personally appeared before me,

Toni LaLonde

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.



Notary Public

Susan D Krotzer
NOTARY PUBLIC - STATE OF MICHIGAN
MIDLAND COUNTY
MY COMMISSION EXPIRES: MARCH 07, 2022
ACTING IN MIDLAND COUNTY

This Assignment 119 is in the ENGLISH language and has the same meaning in other languages with the same 119 number and R/Date

•119•110•111•112•113•114•115•116•117•118•119•120•121•122•123•124•125•126•127•128•129•130•131•132•133•134•135•136•137•138•139•140•141•142•143•144•145•146•147•148•149•150•151•152•153•154•155•156•157•158•159•160•161•162•163•164•165•166•167•168•169•170•171•172•173•174•175•176•177•178•179•180•181•182•183•184•185•186•187•188•189•190•191•192•193•194•195•196•197•198•199•200

This Assignment 119 is in the ENGLISH language and has the same meaning in other languages with the same 119 number and R/Date

FORM 110 (R 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: **METAL-LIGAND COMPLEX, OLEFIN POLYMERIZATION CATALYST DERIVED THEREFROM, AND OLEFIN POLYMERIZATION METHOD UTILIZING THE CATALYST**

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

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
61/918,309	December 19, 2013	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 recording 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: <u>Midland, Michigan 48674 USA</u> this _____ day of _____, 20____ Effective as of December 19, 2013 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: <u>Freeport, Texas 77541 USA</u> this _____ day of _____, 20____ Effective as of December 19, 2013 Signature: _____ Full Name: Philip P. Fontaine Residence: 922 W. 18th St. Houston, Texas 77008 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: <u>Midland, Michigan 48674 USA</u> this _____ day of _____, 20____ Effective as of December 19, 2013 Signature: _____ Full Name: Ruth Figueroa Residence: 1490 Riverchase 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: <u>Freeport, Texas 77541 USA</u> this <u>5</u> day of <u>March</u> , 20 <u>14</u> Effective as of December 19, 2013 Signature:  Full Name: David M. Pearson Residence: 109 Greenbriar Drive Lake Jackson, Texas 77566 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.

Additional names, addresses and signatures to be attached to Form No. 110

INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

At: _____
 this _____ day of _____, 20____
 Effective as of December 19, 2013

Signature: _____
 Full Name: Todd D. Senechal
 Residence: 400 Wilson Drive
 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____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

At: _____
 this _____ day of _____, 20____

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

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/D date

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FORM 110 (R 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: **METAL-LIGAND COMPLEX, OLEFIN POLYMERIZATION CATALYST DERIVED THEREFROM, AND OLEFIN POLYMERIZATION METHOD UTILIZING THE CATALYST**

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

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
61/918,309	December 19, 2013	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: <u>Midland, Michigan 48674 USA</u>
this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of December 19, 2013
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: <u>Freeport, Texas 77541 USA</u>
this <u>13</u> day of <u>March</u> , 20 <u>14</u>
Effective as of December 19, 2013
Signature:
Full Name: Philip W. Fontaine
Residence: 922 W. 18th St. Houston, Texas 77008
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: <u>Midland, Michigan 48674 USA</u>
this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of December 19, 2013
Signature: _____
Full Name: Ruth Figueroa
Residence: 1490 Riverchase 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: <u>Freeport, Texas 77541 USA</u>
this <u> </u> day of <u> </u> , 20 <u> </u>
Effective as of December 19, 2013
Signature: _____
Full Name: David M. Pearson
Residence: 109 Greenbriar Drive Lake Jackson, Texas 77566
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.

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

At: Midland, Michigan 48674 USA
 this _____ day of _____, 20____
 Effective as of December 19, 2013

Signature: _____
 Full Name: Todd D. Senecal
 Residence: 400 Wilson Drive
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____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
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 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
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Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

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FORM 110 (R. 5.97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verify 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: **METAL-LIGAND COMPLEX, OLEFIN POLYMERIZATION CATALYST DERIVED THEREFROM, AND OLEFIN POLYMERIZATION METHOD UTILIZING THE CATALYST**

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

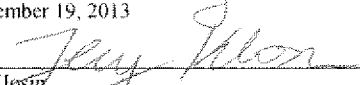
an entity organized and existing under the laws of the state of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted 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
61/918,309	December 19, 2013	United States of America

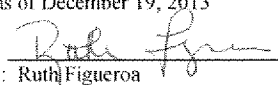
of the application, on which the claim for priority will be based, and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation 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: <u>Midland, Michigan 48674 USA</u> this <u>20</u> day of <u>February</u> , 20 <u>14</u> Effective as of December 19, 2013 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: <u>Freeport, Texas 77541 USA</u> this _____ day of _____, 20____ Effective as of December 19, 2013 Signature: _____ Full Name: Philip P. Fontaine Residence: 922 W. 18th St. Houston, Texas 77008 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: <u>Midland, Michigan 48674 USA</u> this <u>05</u> day of <u>March</u> , 20 <u>14</u> Effective as of December 19, 2013 Signature:  Full Name: Ruth Figueroa Residence: 1490 Riverchase 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: <u>Freeport, Texas 77541 USA</u> this _____ day of _____, 20____ Effective as of December 19, 2013 Signature: _____ Full Name: David M. Pearson Residence: 109 Greenbriar Drive Lake Jackson, Texas 77566 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.

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

At: Midland, Michigan 48674 USA
 this 20 day of February, 2014
 Effective as of December 19, 2013

Signature: *Todd Senecal*
 Full Name: Todd D. Senecal
 Residence: 400 Wilson Drive
 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____

Signature: _____
 Full Name: _____
 Residence: _____
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