

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4446965

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MEHMET DEMIRORS	01/22/2013
RUTH FIGUEROA	01/28/2013
JERZY KLOSIN	01/22/2013
PULIKKOTTIL J. THOMAS	01/22/2013
SYLVIE DESJARDINS	01/21/2013
MRIDULA KAPUR	01/25/2013
PHILIP P. FONTAINE	02/06/2013
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:	15357931
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	9374496400
Email:	katherine.ghearing@dinsmore.com
Correspondent Name:	DINSMORE & SHOHL LLP
Address Line 1:	FIFTH THIRD CENTER, ONE S. MAIN ST.
Address Line 2:	SUITE 1300
Address Line 4:	DAYTON, OHIO 45402
ATTORNEY DOCKET NUMBER:	74287-US-PCD/DOW 74287 VA
NAME OF SUBMITTER:	KATHERINE GHEARING
SIGNATURE:	/Katherine Ghearing/
DATE SIGNED:	06/06/2017

PATENT

Total Attachments: 7

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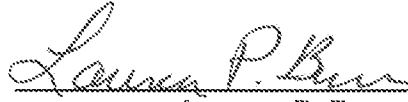
TRUE COPY

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.

at Freeport, Texas, 77541, USA

this 23rd day of March 20 15



Lauren P. Burr
Office Professional
THE DOW CHEMICAL COMPANY

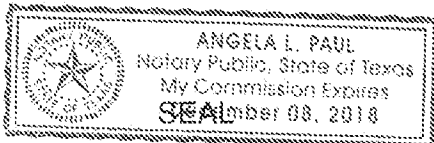
NOTARIAL CERTIFICATE

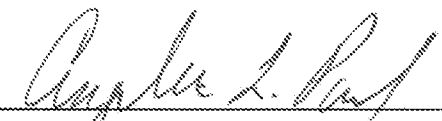
UNITED STATES OF AMERICA)
STATE OF Texas) SS
County/Parish of Brazoria)

On this 23rd day of March 20 15, personally appeared before me,

Lauren P. Burr

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

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

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 GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674

hereby accept the ASSIGNMENT attached hereto which is dated: January 22, 2013;
January 28, 2013; January 22, 2013; January 22, 2013; January 21, 2013; January 25, 2013; and
February 6, 2013, respectively; effective as of December 27, 2012

From, the ASSIGNOR: Mehmet Demirors, 2319 Bending Spring Dr., Pearland, Texas 77584,
United States of America, Citizen of Netherlands; Ruth Figueroa, 1490 Riverchase, Midland,
Michigan 48640, United States of America, Citizen of United States of America; Jerzy Klosin, 2209
Parkwood Drive, Midland, Michigan 48642, United States of America, Citizen of Poland; Pulikkottil
J. Thomas, 4310 Andre Street, Midland, Michigan 48642, United States of America, Citizen of
United States of America; Sylvie Desjardins, 430 Walnut Street, Lake Jackson, Texas 77566, United
States of America, Citizen of Canada; Mridula Kapur, 235 Dewberry Drive, Lake Jackson, Texas
77566, United States of America, Citizen of United States of America; and Philip P. Fontaine, 922
W. 18th St., Houston, Texas 77008, United States of America, Citizen of United States of America

of the invention entitled:

POLYMERIZATION PROCESS FOR PRODUCING 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 12th day of February, 20 13

CORP.
SEAL

DOW GLOBAL TECHNOLOGIES LLC

By: Susan M Zerull
Susan M. Zerull
Authorized Representative

NOTARIAL CERTIFICATE (Limited Liability Company)

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

On this 12th day of February, 20 13, 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 Limited Liability Company incorporated under the laws of **Delaware, United
States of America**.

I further certify that said authority, dated **June 1, 2012**, is based on

A Delegation of Signature Authority by said Limited Liability Company

which I have seen, appointing the said individual 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.

Rebecca Sue Hollingshead
Notary Public

SEAL

Rebecca Sue Hollingshead
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES November 25, 2015

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

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 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: **POLYMERIZATION PROCESS for producing 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

a limited liability company organized and existing under the laws 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
61/746,242	December 27, 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
this 22nd day of January, 20 13
Effective as of December 27, 2012

Signature: M. Demirors
Full Name: Mehmet Demirors
Residence: 2319 Bending Spring Dr.
Pearland, Texas 77584
Country: United States of America
Citizenship: Netherlands
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 27, 2012

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: _____
this _____ day of _____, 20 _____
Effective as of December 27, 2012

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 27, 2012

Signature: _____
Full Name: Pulikkottil J. Thomas
Residence: 4310 Andre Street
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.

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



This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 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: **POLYMERIZATION PROCESS for producing 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

a limited liability company organized and existing under the laws 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
61/746,242	December 27, 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: _____ this _____ day of _____, 20 _____ Effective as of December 27, 2012
Signature: _____ Full Name: Mehmet Demirors Residence: 2319 Bending Spring Dr. Pearland, Texas 77584 Country: United States of America Citizenship: Netherlands P.O. Address: Same as Residence Employed By: The Dow Chemical Company Of Country: United States of America

At: <u>Midland, Michigan</u> this <u>28</u> day of <u>January</u> , 20 <u>13</u> Effective as of December 27, 2012
Signature: <u>Ruth Figueroa</u> 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>Midland</u> this <u>22</u> day of <u>January</u> , 20 <u>13</u> Effective as of December 27, 2012
Signature: <u>[Signature]</u> 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>Midland, Michigan</u> this <u>22nd</u> day of <u>January</u> , 20 <u>13</u> Effective as of December 27, 2012
Signature: <u>Pulikkottil J. Thomas</u> Full Name: Pulikkottil J. Thomas Residence: 4310 Andre Street 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.

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

At: Freeport, Texas
 this 21st day of January, 20 13
 Effective as of December 27, 2012

Signature: S Desjardins
 Full Name: Sylvie Desjardins
 Residence: 430 Walnut Street
 Lake Jackson, Texas 77566
 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 27, 2012

Signature: _____
 Full Name: Mridula Kapur
 Residence: 235 Dewberry 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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

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 27, 2012

Signature: _____
 Full Name: Sylvie Desjardins
 Residence: 430 Walnut Street
 Lake Jackson, Texas 77566
 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: Freeport TX USA
 this 25 day of January, 20 13
 Effective as of December 27, 2012

Signature: M Kapur
 Full Name: Mridula Kapur
 Residence: 235 Dewberry Drive
 Lake Jackson, Texas 77566
 Country: United States of America
 Citizenship: United States of America INDIA MC.
 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 27, 2012

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: _____
 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: _____
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Signature: _____
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At: _____
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At: _____
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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 27, 2012

Signature: _____
 Full Name: Sylvie Desjardins
 Residence: 430 Walnut Street
 Lake Jackson, Texas 77566
 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 27, 2012

Signature: _____
 Full Name: Mridula Kapur
 Residence: 235 Dewberry 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

At: Freeport TX
 this 6th day of February, 20 13
 Effective as of December 27, 2012

Signature: [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: _____
 this _____ day of _____, 20 _____
 Effective as of December 27, 2012

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

At: _____
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 Effective as of December 27, 2012

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 Full Name: _____
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