

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5693613

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TERESA P. KARJALA	08/08/2017
	JOSE ORTEGA	07/19/2017
	LORI L. KARDOS	07/20/2017
	DAVID T. GILLESPIE	02/27/2018
	JOHN A. NAUMOVITZ	08/29/2017
	CHUAN YAR LAI	07/19/2017
	ZACHARY L. POLK	07/19/2017
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:	16488861
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:	937/449-6400	
Email:	susan.cole@dinsmore.com	
Correspondent Name:	DINSMORE & SHOHL LLP	
Address Line 1:	FIFTH THIRD CENTER, ONE SOUTH MAIN STREET	
Address Line 2:	P.O. BOX 1300	
Address Line 4:	DAYTON, OHIO 45402	
ATTORNEY DOCKET NUMBER:	DOW80112PA	
NAME OF SUBMITTER:	SUSAN COLE	
SIGNATURE:	/Susan Cole/	
DATE SIGNED:	08/29/2019	

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 Lake Jackson, Texas, 77566, USA

this 23rd day of May 20 19

Lauren Perkins

Lauren Perkins
Office Professional
THE DOW CHEMICAL COMPANY

NOTARIAL CERTIFICATE

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

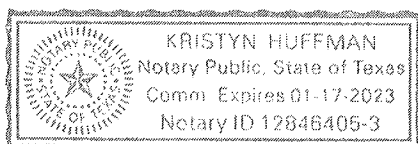
On this 23rd day of May 20 19, personally
appeared before me,

Lauren Perkins

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.

SEAL

Kristyn Huffman
Notary Public



3.4.8 Assignment 11 is on the NAKI ISAR system and has the same intention to other assignments with the same 111 method and NAKI

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: **ETHYLENE-BASED POLYMERS WITH GOOD PROCESSABILITY FOR USE IN MULTILAYER FILMS**

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
62/464,458	February 28, 2017	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: Lake Jackson, Texas
 this 8th day of August, 2017
 Effective as of February 28, 2017
 Signature: [Signature]
 Full Name: Teresa P. Karjala
 Mailing Address: 230 Abner Jackson Parkway
 Herbert H. Dow Building/4B162
 Lake Jackson, Texas 77566
 United States of America

At: _____
this _____ day of _____, 20 _____
Effective as of February 28, 2017

Signature: _____
Full Name: Jose Ortega
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/2B164
Lake Jackson, Texas 77566
United States of America

At: _____
 this _____ day of _____, 20____
 Effective as of February 28, 2017

Signature: _____

Full Name: Lori L. Kardos

Mailing Address: 2301 N. Brazosport Blvd.
 Building B-1607
 Freeport, Texas 77541
 United States of America

At: _____
this _____ day of _____, 20 _____
Effective as of February 28, 2017

Signature: _____

Full Name: David T. Gillespie
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/3A152
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017

Signature: _____

Full Name: John A. Naumovitz

Mailing Address: 1501 Larkin Center Drive
200 Larkin Center
Midland, Michigan 48674
United States of America

At: _____
this _____ day of _____, 20 _____
Effective as of February 28, 2017

Signature: _____

Full Name: Chuan Yar Lai

Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/1A133
Lake Jackson, Texas 77566
United States of America

☒ (X) Additional names and signatures are attached.

FORM 110 (R 5/27)

(with Priority Rights)

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:

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

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.

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Subscribed and Declared by me/us:

At: _____
this _____ day of _____, 20 _____
Effective as of February 28, 2017

Signature: _____

Full Name: John A. Naumovitz

Mailing Address: 1501 Larkin Center Drive
200 Larkin Center
Midland, Michigan 48674
United States of America

At: _____
this _____ day of _____, 20 _____
Effective as of February 28, 2017

Signature: _____
Full Name: Chuan Yar Lai
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/1A133
Lake Jackson, Texas 77566
United States of America

☒ **X** Additional names and signatures are attached.

This Assignment 110 is on the 12/12/11 page and has the same meaning as other languages with the same 110 number and 110

FORM 110 (R. 5/97)

This Assignment 110 is on the 12/12/11 page and has the same meaning as other languages with the same 110 number and 110

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: **ETHYLENE-BASED POLYMERS WITH GOOD PROCESSABILITY FOR USE IN MULTILAYER FILMS**

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

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Subscribed and Declared by me/us

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017
Signature: _____
Full Name: Teresa P. Karjala
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/4B162
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017
Signature: _____
Full Name: Jose Ortega
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/2B164
Lake Jackson, Texas 77566
United States of America

At: Freeport, TX
this 20 day of July, 2017
Effective as of February 28, 2017
Signature: Lori L. Kardos
Full Name: Lori L. Kardos
Mailing Address: 2301 N. Brazosport Blvd
Building B-1607
Freeport, Texas 77541
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017
Signature: _____
Full Name: David T. Gillespie
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/3A152
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017
Signature: _____
Full Name: John A. Naumovitz
Mailing Address: 1501 Larkin Center Drive
200 Larkin Center
Midland, Michigan 48674
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017
Signature: _____
Full Name: Chuan Yar Lai
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/1A133
Lake Jackson, Texas 77566
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

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FORM 110 (R 5/97)

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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

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this _____ day of _____, 20____
Effective as of February 28, 2017

Signature: _____
Full Name: Teresa P. Karjala
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/4B162
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20____
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Signature: _____
Full Name: Jose Ortega
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/2B164
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017

Signature: _____
Full Name: Lori L. Kardos
Mailing Address: 2301 N. Brazosport Blvd.
Building B-1607
Freeport, Texas 77541
United States of America

At: Lake Jackson, TX
this 27 day of Feb, 2018
Effective as of February 28, 2017

Signature: [Signature]
Full Name: David T. Gillespie
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/3A152
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20____
Effective as of February 28, 2017

Signature: _____
Full Name: John A. Naumovitz
Mailing Address: 1501 Larkin Center Drive
200 Larkin Center
Midland, Michigan 48674
United States of America

At: Lake Jackson, TX
this 19 day of July, 2017
Effective as of February 28, 2017

Signature: [Signature]
Full Name: Chuan Yur Lai
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow Building/1A133
Lake Jackson, Texas 77566
United States of America

(X) Additional names and signatures are attached.

* This assignment has been translated from its original language by means of automatic software. It may contain errors or omissions.

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At: _____
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Effective as of February 28, 2017

Signature: _____

Full Name: Teresa P. Karjala

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Lake Jackson, Texas 77566
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Signature: _____
 Full Name: Jose Ortega
 Mailing Address: 230 Abner Jackson Parkway
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At: _____
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Signature: _____

Full Name: Lori L. Kardos

Mailing Address: 2301 N. Brazosport Blvd,
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At: _____
 this _____ day of _____, 20 _____
 Effective as of February 28, 2017

Signature: _____
 Full Name: David T. Gillespie
 Mailing Address: 230 Abner Jackson Parkway
 Herbert H. Dow Building/3A152
 Lake Jackson, Texas 77566
 United States of America

At: Midland, MI
 this 29 day of August, 20 17
 Effective as of February 28, 2017
 Signature: John A. Naumovitz
 Full Name John A. Naumovitz
 Mailing Address: 1501 Larkin Center Drive
200 Larkin Center
Midland, Michigan 48674
United States of America

At: _____
 this _____ day of _____, 20____
 Effective as of February 28, 2017

Signature: _____
 Full Name: Chuan Yar Lai
 Mailing Address: 230 Abner Jackson Parkway
 Herbert H. Dow Building/1A133
 Lake Jackson, Texas 77566
 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: Lake Jackson
this 19th day of July, 20 17
Effective as of February 28, 2017
Signature: Zachary L. Polk
Full Name: Zachary L. Polk
Mailing Address: 230 Abner Jackson Parkway
Herbert H. Dow/2B205
Lake Jackson, Texas 77566
United States of America

At: _____
this _____ day of _____, 20 _____
Signature: _____
Full Name: _____
Mailing Address: _____