PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5142255

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YIJIAN LIN	05/17/2018
JOHN L. SUGDEN	05/15/2018
MRIDULA KAPUR	05/14/2018
DAVID T. GILLESPIE	05/14/2018

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:	16062174

CORRESPONDENCE DATA

Fax Number: (937)449-6405

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.

Phone: 9374496400

Email: daytonipdocket@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: 78543-US-PCT/DOW 78543 PA	
NAME OF SUBMITTER: KATHERINE GHEARING	
SIGNATURE: /Katherine Ghearing/	
DATE SIGNED:	09/14/2018

Total Attachments: 4

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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,	<u>Texas, 77566, USA</u>	INNEKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK
this	/ 5	may	20 / §
			01/
		<u> </u>	nteka
		Lau	ren Pérkins
		Office	Professional
		THE DOW C	HEMICAL COMPANY

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA) STATE OF Texas	SS
STATE OF Texas) County/Parish of Brazoria)	
	20_/8, personally
L	auren Perkins
	ndividual who executed the foregoing document ee act and deed for uses and purposes therein

Notary Public, State of Texas My Commission Expires December 08, 2018 Notary Public

his Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Dai

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: POLYETHYLENE FORMULATIONS WITH IMPROVED BARRIER AND ENVIRONMENTAL STRESS CRACK RESISTANCE

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	
62/270,151	December 21, 2015	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: Lake Jackson, Texas 77566, USA	At: Midland, Michigan 48674 USA
this 7 the day of Aray , 20 8	this day of , 20
At: Lake Jackson, Texas 77566, USA this 7 th day of A 4 , 20 18 Effective as of December 21, 2015	Effective as of December 21, 2015
Signature: Yillia L.	Signature:
Full Name: Yijian Lin	Full Name: John L. Sugden
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 1501 Larkin Center Drive
Lake Jackson, Texas 77566	200 Larkin Center
United States of America	Midland, Michigan 48674
	United States of America
A A. Jaka Yalina (Promo 1726 (* 1154	Y i T i m market yield
At: Lake Jackson, Texas 77566, USA	At: Lake Jackson, Texas 77566, USA
this day of, 20	this day of , 20
Effective as of December 21, 2015	Effective as of December 21, 2015
Signature:	Signature:
Full Name: Mridula Kapur	Full Name: David T. Gillespie
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 230 Abner Jackson Pkwy
Lake Jackson, Texas 77566	Lake Jackson, Texas 77566
United States of America	United States of America
pmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	######################################
At:	At:
this, 20	this day of , 20
Signature:	Signature:
Full Name:	Full Name:
Mailing Address:	Mailing Address:
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FORM 110 (8.5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

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 emittled: POLYETHYLENE FORMULATIONS WITH IMPROVED BARRIER AND ENVIRONMENTAL STRESS CRACK RESISTANCE

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

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

Inited 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

CONTRACTOR OF THE PROPERTY OF		
Priority Number	Filing Date	Filing Country
62/270,151	December 21, 2015	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. If we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or hitigation 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.

If 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: Lake Jackson, Texas 77566, USA	At: Midland, Michigan 48674 USA
1.4.4	this /5 day of MAY ,20 (8
Effective as of December 21, 2015	110.00 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A
Signature:	Signature: (Land F. Markey)
Pull Name: Yijian Lin	Full Name: John L/Sügden
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 1501 Larkin Center Drive
Lake Juckson, Texas 77566	200 Larkin Center
United States of America	Midland, Michigan 48674
***************************************	United States of America
At: Lake Jackson, Texas 77566, USA	
The state of the s	At: Lake Jackson, Texas 77566, USA
this day of, 20	this day of, 20
Effective as of December 21, 2015	Effective as of December 21, 2015
Signature:	Signature:
Pull Name: Mridula Kapur	Full Name: David T. Gillespie
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 230 Abner Jackson Pkwy
Lake Jackson, Texas 77566	Lake Jackson, Texas 77566
United States of America	United States of America
At:	At:
this day of , 20	this day of , 20
BAAAAAAAAA	MANAGARARAN MANAGARAN INDONESIA MANAGARAN INDONESIA MANAGARAN
Signature:	Signature:
Full Name:	Full Name:
Mailing Address:	Mailing Address:

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This Assignment 110 is in the ENGLISH language and has the same recording to other languages with the same 110 number and ROD

FORM 110 (R 5/97)

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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: POLYETHYLENE FORMULATIONS WITH IMPROVED BARRIER AND ENVIRONMENTAL STRESS CRACK RESISTANCE

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
62/270,151	December 21, 2015	United States of America

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Subscribed and Declared by me/us:

At: Lake Jackson, Texas 77566, USA	At: Midland, Michigan 48674 USA
	this day of ,20 Effective as of December 21, 2015
this day of, 20 Effective as of December 21, 2015	Effective as of December 21, 2015
Signature:	Signature:
Full Name: Yijian Lin	Full Name: John L. Sugden
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 1501 Larkin Center Drive
Lake Jackson, Texas 77566	200 Larkin Center
United States of America	Midland, Michigan 48674
	United States of America
At: Lake Jackson, Texas 77566, USA	At: Lake Jackson, Texas 77566, USA
this / 6/12 day of 20 2 20 2 8	this 15470 day of MA
this /4/ day of // , 20 / Effective as of December 21, 2015	this 197% day of 1965, 20 68 Effective as of December 21, 2015
Signature: MUN	Signature: Jahlane
Full Name: Mridulà Kapur	Full Name: David T. Gillespie
Mailing Address: 230 Abner Jackson Pkwy	Mailing Address: 230 Abner Jackson Pkwy
Lake Jackson, Texas 77566	Lake Jackson, Texas 77566
United States of America	United States of America
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At:	At:
this day of, 20	this, 20
Signature:	Signature:
Full Name:	Full Name:
Mailing Address:	Mailing Address:
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