PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5415001

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RONGJUAN CONG	06/09/2011
CHARLES M CHEATHAM	06/07/2011
LONNIE G HAZLITT	08/02/2011
ZHE ZHOU	06/06/2011
ALEXANDER W. DEGROOT	07/28/2011
MATTHEW D MILLER	06/06/2011

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:	14119403

CORRESPONDENCE DATA

Fax Number:

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: 9792381647

Email: lkperkins@dow.com
Correspondent Name: LAUREN PERKINS

Address Line 1: 230 ABNER JACKSON PARKWAY
Address Line 4: LAKE JACKSON, TEXAS 77566

ATTORNEY DOCKET NUMBER:	71212-US-PCT
NAME OF SUBMITTER:	LAUREN PERKINS
SIGNATURE:	/Lauren Perkins/
DATE SIGNED:	03/11/2019

Total Attachments: 4

PATENT REEL: 048561 FRAME: 0937

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source=71212-US-PCT_JAC_Inventor_to_DGTL_Assignment#page1.tif source=71212-US-PCT_JAC_Inventor_to_DGTL_Assignment#page2.tif source=71212-US-PCT_JAC_Inventor_to_DGTL_Assignment#page3.tif source=71212-US-PCT_JAC_Inventor_to_DGTL_Assignment#page4.tif

> PATENT REEL: 048561 FRAME: 0938

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

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: CHROMATOGRAPHY OF POLYOLEFIN 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

a limited liability company 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
61/493,121	June 3, 2011	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, Texas 77541, USA	At: Freeport, Texas 77541, USA
this 9 day of June ,20	11 this 7 day of Thre , 2011
Effective as of June 03, 2011	Effective as of June 03, 2011
Signature:	Signature: M Chintham
Full Name: Rongjuan Cong	Full Name: Charles M. Cheatham
Residence: 144 Indian Warrior	Residence: 117 Aster Lane
Lake Jackson, Texas 77566	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America

At:
Freeport, Texas 77541, USA
this 6 day of Tune , 20 /
Effective as of dune 03, 2011

Signature:
Full Name Zhe Zhou—
Residence: 144 Indian Warrior
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.

At: Freeport, Texas 77541, USA
this 2ff day of July , 20 fl

Effective as of Lune 3, 2011

Signature: July July , 20 fl

Signature: Alexander W. Degroot
Residence: 4723 Yorkshire Street
Sugar Land, Texas 77479

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, Texas 77541, USA
this day of Jule , 20 [1]
Effective as of June 3, 2011
Signature: Full Name: Matthew D. Miller
Residence: 209 Pansy Path
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

PATENT REEL: 048561 FRAME: 0940

NOTARIAL CERTIFICATE (Individual)

NOTARIAL CERTIFICATE (individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) On this
Rongjuan Cong
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.
ANGELA L. PAUL Notary Public, State of Texas My Commission Expires December 08, 2014
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this, 20_//, personally appeared before me,
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.
DELANE E. PEDERSEN Notary Public, State of Texas My Commission Expires February 08, 2014
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this <u>02</u> day of <u>fugust</u> , 20//, personally appeared before me,
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.
DELANE E. PEDERSEN Notary Public, State of Texas

My Commission Expires February 08, 2014

PATENT REEL: 048561 FRAME: 0941

NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this Ob day of June, 20 11, personally appeared before me,
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.
DELANE E. PEDERSEN Notary Public, State of Texas My Commission Expires February 08, 2014
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this 28 day of, 20 //, personally appeared before me,
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.
DELANE E. PEDERSEN Notery Public, State of Texas My Commission Expires February 08, 2014
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this <u>O(a</u> day of, 20//, personally appeared before me
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.

DELANE E. PEDERSEN
Notary Public, State of Texas
My Commission Expires
February 08, 2014

Delane Federse

PATENT REEL: 048561 FRAME: 0942

RECORDED: 03/11/2019