PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ping Cai	01/28/2010
Linfeng Chen	01/28/2010
Jan W. Van Egmond	01/20/2010
Michael W. Tilston	01/28/2010

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:	12970617

CORRESPONDENCE DATA

Fax Number: (979)238-0878

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: carroll2@dow.com

Correspondent Name: Kristina Carroll

Address Line 1: 2301 N. Brazosport Blvd.
Address Line 4: Freeport, TEXAS 77541

ATTORNEY DOCKET NUMBER:	68874-US-NP
NAME OF SUBMITTER:	Kristina D. Carroll

Total Attachments: 8

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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: IMPROVED GAS-PHASE POLYMERIZATION PROCESS HAVING MULTIPLE FLOW REGIMES

which invention was made and invented by me/us out of and in the course of tny/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

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

a corporation 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

			
	Phonity Number	Cilia - Das	
- 1		Filing Date	Cities County
	61/288,580	Dags-sh 01, 0000	Filing Country
		December 21, 2009	
			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 of the application, of which are claim for priority will be based; and in any Letters Fatent that they be issued for the invention in any and an 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: Preeport, Texas 77541, USA	At: Freeport, Texas 77541, USA
this 28 day of JANUARY , 20 10	this Total Total 77341, USA
Effective as of December 21, 2009	
Signature: Full Name: Ping Cat Residence: 366 Arrowhead Dr. 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	Signature: Full Name: Linfeng Chen Residence: 4015 Tuscan Shores Drive Missouri City, Texas 77459 Country: United States of Anterica Citizenship: United States of Anterica P.O. Address: Same as Residence Employed By: The Dow Chemical Company Of Country: United States of Anterica
AL SOUTH CHARLESTON, WY 25303	At: Freenor Teves 77541 USA
inis day of	
Effective as of December 21, 2009	this 28 day of Jenuary . 20 (0
	Effective as of December 21, 2000
Signature:	No No
Full Name: Jan V. Van Egmond	Signature:
Peridence Mary, Van Egmond	Full Name: Michael W. Tilston
Residence: 129 Graff Ln.	Residence: 3322 Prestwick Square
Charleston, West Virginia 25304	Missouri City, Texas 77459
Country: United States of America	Country: United States of America
Citizenship: The Netherlands	Chizenship: United Kingdom
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: The Dow Changing! Comment	noutess: Baine as Residence

Employed By: The Dow Chemical Company

Of Country: United States of America

() Additional names and signatures are attached.

Employed By: The Dow Chemical Company

Of Country: United States of America

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FORM 220

NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) On this day of Fing Cai 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. SEAL SEAL SEAL Communication SEAL Communication Communication SEAL Communication C
SEAL WING MENU CUM
Notary Public STATE OF TEXAS Hy Comm. Esp. 087162071
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) On this day of land
SEAL mu teni Gami
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF WEST (Mid-Vidual) STATE OF WEST (Mid-Vidual) On this day of (Mid-Vidual) On this day of (Mid-Vidual) On this day of (Mid-Vidual) Jan W. Van Egmond An W. Van Egmond An Who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.
SEAL SEAL SHORT SEAL September On. September August 11, 2018

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA	.)
STATE OF TEXAS) SS
County/Parish of Brazoria)
On this 28 day of Janu	20 10 personally appeared before me
//	Michael W. Tilston
known or identified to me to be the i	individual described in and who are the day of
and acknowledged the same as a free	e act and deed for uses and purposes therein expressed.
	Λ , $\tilde{\Lambda}$
SEAL	Mny Keny Olyna



This Assignce 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 INC.

2040 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated January 20, 2010 and January 28, 2010; effective as of December 21, 2009

From, the ASSIGNOR: Ping Cai, 306 Arrowhead Dr., Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; Linfeng Chen, 4015 Tuscan Shores Drive, Missouri City, Texas 77459, United States of America, Citizen of United States of America; Jan W. Van Egmond, 119 Graff Ln., Charleston, West Virginia 25304, United States of America, Citizen of United States of America; and Michael W. Tilston, 3322 Prestwick Square, Missouri City, Texas 77459, United States of America, Citizen of United States of America

of the invention entitled:

IMPROVED GAS-PHASE POLYMERIZATION PROCESS UNDER MULTIPLE FLOW REGIMES

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/_	day of February, 20 10
COR SEA	

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of MIDLAND)
On this / day of Pedructry, 20 10, personally appeared
before me, JOHN B. TREANGEN, Authorized Representative,
known or identified to me to be the individual described in and who executed the foregoing documen and acknowledged the same as a free act and deed for uses and purposes therein expressed by
authority of the said Corporation incorporated under the laws of the state of Delaware, United
States of America.
I Continue and Colors and a submittee dated forth 24 access ()

I further certify that said authority, dated July 31, 2009, is based on

A delegation of signature authority of said Corporation

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

The sue Clean

SEAL

NOTARY PUBLIC

Kathy Sue Wertz
NOTARY PUBLIC, VIDLAND COUNTY, MICHIGAN
MY COMMISSION EDER RES APRIL TENT

REEL: 026422 FRAME: 0989

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The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "DOW GLOBAL TECHNOLOGIES LLC" FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D. 2010, AT 10:40 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENTICATION: 8457755

DATE: 12-29-10

State of Delaware
Secretary of State
Division of Corporations
Delivered 10:40 AM 12/23/2010
FILED 10:40 AM 12/23/2010
SRV 101227862 - 2332072 FILE

Certificate of Formation

9696389393

Dow Global Technologies LLC

This Certificate of Formation of Dow Globul Technologies LLC has been duly executed and is being filed by Noreen D. Warrick, as an authorized representative, to form a limited liability company under the Delaware Limited Liability Company Act (6 Del.C. \$18-101, cl seq.).

The name of the limited liability company is: ١.

Dow Global Technologies LLC

- The address of the limited liability company's registered office in the State of 2. Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of the limited liability company's registered agent for service of process in the State of Delaware at such address is the Corporation Trust Company.
- The effective date for the formation of this limited liability company is December 3. 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Dow Global Technologies LLC this 23 day of December, 2010.

Noteen D. Warrick Authorized Representative

MoreersDranick



PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE

CORPORATION UNDER THE NAME OF "DOW GLOBAL TECHNOLOGIES INC." TO

A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM

"DOW GLOBAL TECHNOLOGIES INC." TO "DOW GLOBAL TECHNOLOGIES LLC",

FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D.

2010, AT 10:40 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENTY CATION: 8457755

DATE: 12-29-10

State of Delaware Secretary of State Division of Corporations Delivered 10:40 AM 12/23/2010 FILED 10:40 AM 12/23/2010 SRV 101227862 - 2332072 FILE

Certificate of Conversion
of
Dow Global Technologies Inc.
(a Delaware corporation)
to
Dow Global Technologies LLC
(a Delaware limited liability company)

9696389393

Pursuant to Section 18-214 of the Limited Liability Company Act

Dow Global Technologies Inc., a Delaware corporation (the "Corporation"), files this Certificate of Conversion (the "Certificate") and hereby certifies the following:

- 1. The jurisdiction where the Corporation was first formed is Delawate.
- The jurisdiction immediately prior to filing this Certificate is Delaware.
- The date the Corporation was first formed is April 6, 1993.
- The name of the Corporation immediately prior to filing this Certificate is Dow Global Technologies Inc.
- The name of the limited liability company as set forth in the Certificate of Formation is Dow Global Technologies LLC.
- 6. The future effective date of the conversion to a limited liability company is December 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate on the 23 day of December, 2010.

Dow Global Technologies Inc.

Hy: <u>Noveen D. Warrick</u> Name: Noveen D. Warrick

Title: Secretary

PATENT REEL: 026422 FRAME: 0993

RECORDED: 06/10/2011