

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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|---|-----------------------------|
| 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 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| 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 source=68874-US-NP JTH 20110610 Inventor to DGTL#page1.tif source=68874-US-NP JTH 20110610 Inventor to DGTL#page2.tif | |

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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 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 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 Number, Filing Date, and Filing Country

| Priority Number | Filing Date | Filing Country |
|-----------------|-------------------|--------------------------|
| 61/288,580 | 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 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: Freeport, Texas 77541, USA
this 28 day of JANUARY, 20 10
Effective as of December 21, 2009
Signature: [Signature]
Full Name: Ping Cai
Residence: 306 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

At: Freeport, Texas 77541, USA
this 28 day of JANUARY, 20 10
Effective as of December 21, 2009
Signature: [Signature]
Full Name: Linfeng Chen
Residence: 4015 Tuscan Shores Drive
Missouri City, Texas 77459
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: SOUTH CHARLESTON, WV 25303
this 20 day of JANUARY, 20 10
Effective as of December 21, 2009
Signature: [Signature]
Full Name: Jan W. Van Emdon
Residence: 149 Graff Ln.
Charleston, West Virginia 25304
Country: United States of America
Citizenship: The Netherlands
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: Freeport, Texas 77541, USA
this 28 day of JANUARY, 20 10
Effective as of December 21, 2009
Signature: [Signature]
Full Name: Michael W. Tilton
Residence: 3322 Priestwick Square
Missouri City, Texas 77459
Country: United States of America
Citizenship: United Kingdom
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

() Additional names and signatures are attached.

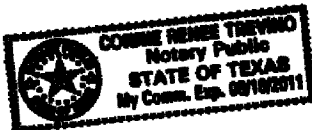
FORM 220

NOTARIAL CERTIFICATE (Individual)

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

On this 28 day of January, 2010, personally appeared before me,
Ping 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



Connie Rene Trevino

NOTARIAL CERTIFICATE (Individual)

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

On this 28 day of January, 2010, personally appeared before me,
Qinfeng Chen
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

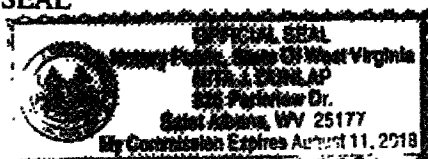
Connie Rene Trevino

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA)
STATE OF West Virginia) SS
County/Parish of Kanawha)

On this 20th day of January, 2010, personally appeared before me,
Jan W. Van Egmond
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



Anita J. Daulap

PATENT

REEL: 026422 FRAME: 0987

NOTARIAL CERTIFICATE (Individual)

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

On this 28 day of January, 20 10, personally appeared before me,
Michael W. Tilston
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

Connie Rene Trevino



ASSIGNEE ACCEPTANCE

REEL: 026422 FRAME: 0989

Delaware

PAGE 2

The First State

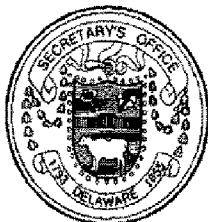
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "DOW GLOBAL TECHNOLOGIES LLC" FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D. 2010, AT 10:40 O'CLOCK A.M.

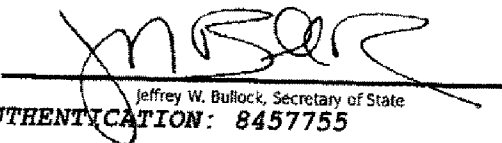
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

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




AUTHENTICATION: 8457755

DATE: 12-29-10

PATENT
REEL: 026422 FRAME: 0990

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
of
Dow Global Technologies LLC

This Certificate of Formation of Dow Global 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, et seq.).

1. The name of the limited liability company is:

Dow Global Technologies LLC

2. The address of the limited liability company's registered office in the State of 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.
3. The effective date for the formation of this limited liability company is December 31, 2010.

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

Noreen D. Warrick

Noreen D. Warrick
Authorized Representative

Delaware

PAGE 1

The First State

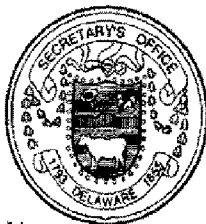
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "DOW GLOBAL TECHNOLOGIES INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "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.

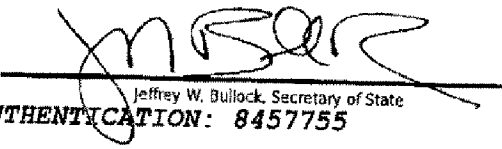
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

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




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 8457755

DATE: 12-29-10

PATENT
REEL: 026422 FRAME: 0992

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)

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 Delaware.
2. The jurisdiction immediately prior to filing this Certificate is Delaware.
3. The date the Corporation was first formed is April 6, 1993.
4. The name of the Corporation immediately prior to filing this Certificate is Dow Global Technologies Inc.
5. 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 23rd day of December, 2010.

Dow Global Technologies Inc.

By: Noreen D. Warrick
Name: Noreen D. Warrick
Title: Secretary