503209045 03/09/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3255660

| SUBMISSION TYPE: | | NEW ASSIGNMENT | | |
|--|------------------------------|--|----------------|--|
| NATURE OF CONVEYANCE: | | ASSIGNMENT | | |
| CONVEYING PARTY DA | ATA | | | |
| | | Name | Execution Date | |
| WENBIN LIANG | | | 02/19/2010 | |
| BRIAN W WALTHER | | | 03/10/2010 | |
| ARNIS U PAEGLIS | | | 03/10/2010 | |
| SHERRIKA D DANIEL | | | 03/22/2010 | |
| LARRY A MEISKE | | | 02/05/2010 | |
| RECEIVING PARTY DA | ГА | | | |
| Name: | | GLOBAL TECHNOLOGIES LLC | | |
| Street Address: | 2040 D | OW CENTER | | |
| City: | MIDLA | MIDLAND | | |
| State/Country: | MICHIGAN | | | |
| Postal Code: | 48674 | | | |
| PROPERTY NUMBERS | | Number | | |
| Property Type | | | | |
| Property Type Application Number: | | 13377916 | | |
| Application Number: | | | | |
| | ATA | 13377916 | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be | ATA | 13377916 (989)636-3237 • the e-mail address first; if that is uns | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p | ATA e sent to provideo | 13377916 (989)636-3237 The e-mail address first; if that is uns I; if that is unsuccessful, it will be sem | | |
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| Application Number: CORRESPONDENCE D. Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: | ATA e sent to provideo | 13377916 (989)636-3237 The e-mail address first; if that is uns I; if that is unsuccessful, it will be sen 9896331963 FGLMFRR@dow.com | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: | ATA e sent to provideo | 13377916 (989)636-3237 5 the e-mail address first; if that is uns 1; if that is unsuccessful, it will be sen 9896331963 | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: | ATA e sent to provided | 13377916 (989)636-3237 5 <i>the e-mail address first; if that is uns</i> <i>I; if that is unsuccessful, it will be sent</i> 9896331963 FGLMFRR@dow.com BARB STIEVE | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: | ATA e sent to provideo | 13377916 (989)636-3237 The e-mail address first; if that is uns I; if that is unsuccessful, it will be sent 9896331963 FGLMFRR@dow.com BARB STIEVE 2040 DOW CENTER | | |
| Application Number: CORRESPONDENCE D. Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: | ATA e sent to provideo | 13377916 (989)636-3237 a the e-mail address first; if that is uns b; if that is unsuccessful, it will be sent 9896331963 FGLMFRR@dow.com BARB STIEVE 2040 DOW CENTER MIDLAND, MICHIGAN 48674 | | |
| Application Number: CORRESPONDENCE D. Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU | ATA e sent to provideo | 13377916 (989)636-3237 The e-mail address first; if that is uns 1; if that is unsuccessful, it will be semi 9896331963 FGLMFRR@dow.com BARB STIEVE 2040 DOW CENTER MIDLAND, MICHIGAN 48674 68392-US-PCT | | |
| Application Number: CORRESPONDENCE D. Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMARE OF SUBMITTER: | ATA e sent to provideo | 13377916 (989)636-3237 The e-mail address first; if that is uns 1; if that is unsuccessful, it will be semi 9896331963 FGLMFRR@dow.com BARB STIEVE 2040 DOW CENTER MIDLAND, MICHIGAN 48674 68392-US-PCT BARB STIEVE | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMATE OF SUBMITTER: SIGNATURE: | ATA e sent to provideo | 13377916 (989)636-3237 b the e-mail address first; if that is uns b; if that is unsuccessful, it will be semi 9896331963 FGLMFRR@dow.com BARB STIEVE 2040 DOW CENTER MIDLAND, MICHIGAN 48674 68392-US-PCT BARB STIEVE /Barb Stieve/ | | |

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| source=68392-US-PCT 20150309 JMT Inventors to DGTL#page9.tif | |

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verily believe l 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: POLYMER COMPOSITIONS, METHODS OF MAKING THE SAME, AND ARTICLES PREPARED FROM THE SAME

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 |
|-----------------|---------------|--------------------------|
| 61/225,631 | July 15, 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 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 19 day of Ippircon 2010 | this 1.0 day of 1.0 , 20 (c) |
| Effective as of July 15, 2009 | Effective as of July 15, 2009 |
| | n n n n n h |
| Signature: | Signature: Mind (Palt - |
| Full Name: Wenbin Liang | Full Name: Brian W. Walther |
| Residence: 13504 Sweet Wind Ct. | Residence: 309 Williamsburg |
| Pearland, Texas 77584 | Clute, Texas 77531 |
| 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 | At: Freeport, Texas 77541, USA |
| this NA day of March, 20 D | this 11M day of MOLACIA, 20 0 |
| | |
| this <u>10-h</u> day of <u>March</u> , 20 <u>1D</u> Effective as of July 1A 2009 | this 11M day of MOLACIA, 20 0 |
| this NA day of March, 20 D | this 11M day of MOLACIA, 20 0 |
| this <u>IV-</u> h day of <u>March</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>Why U. Palgly</u> Full Name: Arais U. Paeglis | this $\underline{10}$ day of $\underline{M0100}$, 20 0 Effective as of July 15, 2009 |
| this <u>IV-</u> h day of <u>Match</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>My U. Palglis</u> Full Name: Arais U. Paeglis Residence: 1004 Oak Park Lane | this $\underline{20M}$ day of $\underline{MCLACLA}$, 20 10 Effective as of July 15, 2009 Signature: |
| this <u>IV-</u> h day of <u>March</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>Why U. Palgly</u> Full Name: Arais U. Paeglis | this <u>20M</u> day of <u>MCLACLA</u> , 20 <u>0</u> Effective as of July 15, <u>2009</u> Signature: <u>Full Name: Sherrika D. Daniel</u> |
| this <u>IV-h</u> day of <u>Match</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>My V. Palgh</u> Full Name: Arnis U. Paeglis Residence: 1004 Oak Park Lane Friendswood, Texas 77546 Country: United States of America | this <u>20M</u> day of <u>MORACIA</u> , 20 0 Effective as of July 15, 2009 Signature: <u>Full Name: Sherrika D. Daniel</u> Residence: 58 Terra Bella |
| this <u>IV-h</u> day of <u>Match</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>My V. Palgh</u> Full Name: Arnis U. Paeglis Residence: 1004 Oak Park Lane Friendswood, Texas 77546 Country: United States of America Citizenship: United States of America | this <u>10M</u> day of <u>MORACIA</u> , 20 <u>0</u> Effective as of July 15, 2009 Signature: Full Name: Sherrika D. Daniel Residence: 58 Terra Bella Manvel, Texas 77578 |
| this <u>IV-h</u> day of <u>Match</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>My V. Palgh</u> Full Name: Arnis U. Paeglis Residence: 1004 Oak Park Lane Friendswood, Texas 77546 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence | this <u>10M</u> day of <u>MOLACIA</u> , 20 <u>0</u> Effective as of July 15, 2009 Signature: Full Name: Sherrika D. Daniel Residence: 58 Terra Bella Manvel, Texas 77578 Country: United States of America |
| this <u>IV-h</u> day of <u>Match</u> , 20 <u>ID</u> Effective as of July 1A 2009 Signature: <u>My V. Palgh</u> Full Name: Arnis U. Paeglis Residence: 1004 Oak Park Lane Friendswood, Texas 77546 Country: United States of America Citizenship: United States of America | this <u>10</u> M day of <u>MOLACH</u> , 20 0 Effective as of July 15, 2009 Signature: Full Name: Sherrika D. Daniel Residence: 58 Terra Bella Manvel, Texas 77578 Country: United States of America Citizenship: United States of America |

(X) Additional names and signatures are attached.

| AL: Plaquembre Louisina. 10765 USA | At: |
|---------------------------------------|------------------|
| this 05 day of February, 20 10 | this day of , 20 |
| Effective as of July 15, 2009 | Effective as of |
| Signature: Larry a. Meisle | Signature: |
| Full Name: Larry A. Meiske | Full Name: |
| Residence: 5223 Belle Fountaine Court | Residence: |
| Baton Rouge, Louisiana 70820 | |
| Country: United States of America | Country: |
| Citizenship: United States of America | Citizenship: |
| P.O. Address: Same as residence | P.O. Address: |
| Employed By: The Dow Chemical Company | Employed By: |
| Of Country: United States of America | Of Country: |

| This Assignment 220 is in the ENGLISH language and has the same measuring in other languages with the same 220 number and RiDate. | |
|---|------------------------|
| +220 +220 +220 +220 +220 +220 +220 +220 | 20#220#220#220#220#220 |
| This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date | |
| FORM 220 | |

NOTARIAL CERTIFICATE (Individual)

| UNITED STATES OF AMER | RICA) | |
|---------------------------|-----------|--|
| STATE OF TEXAS |) SS | |
| County/Parish of Brazoria |) | |
| On this 19^{+1} day of | February | , 20/0, personally appeared before me, |
| | Wenbin Li | |
| | | |

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



Monice Rubs

NOTARIAL CERTIFICATE (Individual)

| UNITED STATES OF AMERICA |) | |
|---------------------------------|---------|-----------|
| STATE OF TEXAS |) SS | |
| County/Parish of Brazoria |) | |
| On this 10 th day of | March | |
| | Brian W | . Walther |

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.



brice Kubs

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) On this 10^{4} day of ______ March _____, 20_10, personally appeared before me,

Arnis U. Paeglis

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.



Monice Ruh

PATENT REEL: 035110 FRAME: 0478

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA) STATE OF TEXAS SS) County/Parish of Brazoria) , 20 $\underline{(0)}$, personally appeared before me, On this 2 day of Max(MSherrika D. Daniel 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. all M. Much NOTARIAL CERTIFICATE (Individual) UNITED STATES OF AMERICA) STATE OF TEXAS LOUISIANA) SS County/Parish of Plaquenine) _____, 20<u>10</u>, personally appeared before me, Larry A. Meiske On this 5th day of February 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

JOSEPH M. MINADEO, ATTORNEY/NOTARY BAR ROLL NO. 31513 STATE OF LOUISIANA

This Assignce Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

● CSD ● 56D ● 55D ● 55D ● 56D ● 56D ● 56D ● 56D ● 56D ● 55D ● 55D

This Assignee 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: February 5, 2010, February 19, 2010, March 10, 2010 and March 22, 2010

From, the ASSIGNOR: Wenbin Liang, 13504 Sweet Wind Ct., Pearland, Texas 77584, United States of America, Citizen of United States of America; Brian W. Walther, 309 Williamsburg, Clute, Texas 77531, United States of America, Citizen of United States of America; Arnis U. Paeglis, 1004 Oak Park Lane, Friendswood, Texas 77546, United States of America, Citizen of United States of America; Sherrika D. Daniel, 58 Terra Bella, Manvel, Texas 77578, United States of America, Citizen of United Sta

of the invention entitled:

Kan

POLYMER COMPOSITIONS, METHODS OF MAKING THE SAME, AND ARTICLES PREPARED FROM THE SAME

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 atMidland, Michigan 48674, USA |
|-------|--|
| | this, 20 10 |
| - | DOW GLOBAL TECHNOLOGIES INC. |
| | By: HALD Ream |
| | Authorized Representative |
| | NOTARIAL CERTIFICATE (Corporation) |
| | UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland) On this <u>29</u> day of <u>March</u> , 20 <u>70</u> , 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 document 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 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 score of the objects or activities of said corporation |

Kathy Sue Wertz NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2012

> PATENT REEL: 035110 FRAME: 0480

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/authwar.shtml



AUTHENTICATION: 8457755

DATE: 12-29-10

P.2/3 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

oľ

Dow Global Technologies LI.C

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, cf seq.).

The name of the limited liability company is: 1.

Dow Global Technologies LLC

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- The address of the limited liability company's registered office in the Stare 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 fiability company is December З. 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Dow Global Technologues LLC this 22"day of December, 2010.

Novembrance

Norcen 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.



Jeffrey W. Bullock, Secretary of State AUTHENTICATION: 8457755

DATE: 12-29-10

2332072 8100V

101227862

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

P.3/3

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 Delawate.

The jurisdiction immediately prior to filing this Certificate is Delaware.

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 $\frac{23^{42}}{23}$ day of December, 2010.

Dow Global Technologies Inc.

Noverfur arrick Hy:

Name: Noreen D. Warrick Title: Secretary

> PATENT REEL: 035110 FRAME: 0484

RECORDED: 03/09/2015