PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Teresa P. Karjala | 10/16/2009 |
| Christopher R. Eddy | 10/16/2009 |
| Mehmet Demirors | 10/19/2009 |
| Sarat Munjal | 10/20/2009 |
| Jian Wang | 10/15/2009 |
| Lonnie G. Hazlitt | 10/15/2009 |

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: | 13063960 |

CORRESPONDENCE DATA

Fax Number: 9792387055

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

979-238-1195 Phone: DEElliott@Dow.com Email: Delane Elliott

Address Line 1: 2301 N. Brazosport Blvd.

Address Line 2: B-1463

Address Line 4: Freeport, TEXAS 77541

ATTORNEY DOCKET NUMBER: 67403-US-PCT

PATENT

REEL: 029954 FRAME: 0861

Correspondent Name:

| NAME OF SUBMITTER: | Delane Elliott | |
|---|----------------|--|
| Total Attachments: 9 | | |
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The Adaptive Acceptance 660 is in the ESCLISH language and has the same meaning in other languages with the circumstant. 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: October 15, 2009, October 16, 2009, October 19, 2009, and October 20, 2009; effective October 7, 2008.

From, the ASSIGNOR: Teresa P. Karjala. 56 Mandevilla Court, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; Christopher R. Eddy, 10238 Rosebud, Missouri-City, Texas 77459. United States of America, Citizen of United States of America; Mehmet Demirors, 2319 Bending Spring Drive, Pearland, Texas 77584. United States of America, Citizen of Netherlands: Sarat Munjal, 106 Thyme Trail, Lake Jackson. Texas 77566. United States of America, Citizen of United States of America; Jian Wang, 13406 Cherokee Rose Ct. Rosharon. Texas 77583, United States of America, Citizen of People's Republic of China; Lonnie G. Hazlitt, 110 Wedgewood Street, Lake Jackson, Texas 77566. United States of America, Citizen of United States of America.

of the invention entitled.

NOVEL HIGH PRESSURE, LOW DENSITY POLYETHYLENE RESINS WITH IMPROVED OPTICAL PROPERTIES PRODUCED THROUGH THE USE OF HIGHLY ACTIVE CHAIN TRANSFER AGENTS

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 <u>19</u> | day of November 2009 |
| 1200 | |
| 3 | DOW GLOBAL TECHNOLOGIES INC. |
| CORI | r. // / |
| SEAL | 11/2 / 1/2000 |
| ٠, ٠, | JOHN B. TREANGEN |
| | Authorized Representative |
| N | OTARIAL CERTIFICATE (Corporation) |
| | |
| | ATES OF AMERICA) |
| STATE OF | ,00 |
| County/Paris | , , |
| On this/ | 9 day of November, 2009, personally appeared |
| before me, JO | OHN B. TREANGEN, Authorized Representative, |
| known or identi | fied to me to be the individual described in and who executed the forestime de- |
| de mile mile de | the same as a rice act and deed for uses and nurmosus therein averaged by |
| realities of the | said Corporation incorporated under the laws of the State of Delegance Times |
| States of Ameri | ica. |
| further certify i | that said authority, dated July 31, 2009, is based on |
| | signature authority of said Corporation |
| | in, appointing the said individual Authorized Representative with full power to sign |
| ac toregoing aoi | cultiful On Ochail of the Said Comporation and that the purposes for which and t |
| ocument is gran | nted are within the scope of the objects or activities of said corporation. |
| | |
| | Kathy Sue West |

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

FORM 110 in 547)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verify believe I arrive 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: NOVEL HIGH PRESSURE, LOW DENSITY POLYETHYLENE RESINS WITH IMPROVED OPTICAL. PROPERTIES PRODUCED THROUGH THE USE OF HIGHLY ACTIVE CHAIN TRANSFER AGENTS

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 which invention was made and invented by mean out of also in one course or myour employment with myour 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 trusteers), 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 Century 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/cor 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 designed (or nominee(s)); and all rights and powers to tile 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 insent here the Priority Number, Filing Date, and Filing Country

| | Priority Number | Filing Date | Filing Country |
|---|-----------------|-----------------|--------------------------|
| - | 61/103,374 | October 7, 2008 | |
| | | | 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 except 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; and I/we do hereby authorize Assignee or its designee (or nomineo(s)) to insert here any corresponding equivalent Application Number, Filing Date, and Filing Countries.

| Application Number | Filing Date | |
|--------------------|-------------|----------------|
| | | Filing Country |
| L | L | |
| | | |

to the above Prioring application of any country where that country's patent property must be identified and entered hereinabove, for recordal of this Assignment. Uwe 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 coverant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, thense, or other right heretofore given.

Subscribed and Declared by meAss:

| At: FreePort Texas this 6 day of Orra BeR 20 09 Effective as of October 7, 2008 Signature: Full Name: Teresa P. Karjala Residence: 56 Mandevilla Court Lake Jackson, Texas 77566 Country: United States of America | At: Tree day of Orthole . 20 151 Effective as of Octuber 7, 2018 Signature: Full Name: Offistopher Refuldy Rusidence: 10238 Rosebud 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 | Citizenship: United States of America P.O. Address: Same as residence Employed By: The Dow Chemical Company Of Country: United States of America | |
| us freeport TX us 19 day of Ocholes 2009 | At: Free pro X | |

Effective as of October 7, 2008 Signature: // Full Name: Mehmet Demirors Residence: 2319 Bending Spring Drive Pearland, Texas 77584 Country: United States of America Citizenship: Netherlands P.O. Address: Same as residence. Employed By: The Dow Chemical Company Of Country: United States of America

Effective as of October 7, 2008 Sienatoro Full Name: Sarat Munjal Residence: 106 Thyme Trail Lake Jackson, Texas 77566 Country: 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.

CASE NO. 67403 US sj

Of Country: United States of America

NOTARIAL CERTIFICATE (Individual) UNITED STATES OF AMERICA STATE OF Texas SS County of Brazoria personally appeared before me. Sarat Munjal 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. BETH WILLIAMS NOTARY PUBLIC State of Texas Comm. Exp. 01-22-2013 NOTARIAL CERTIFICATE (Individual) UNITED STATES OF AMERICA STATE OF Texas) SS County of Brazoria , 20 09, personally appeared before me, Jian Wang 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. EA**BETH WILLIAMS** NOTARY PUBLIC State of Texas Comm. Exp. 01-22-2013 NOTARIAL CERTIFICATE (Individual) UNITED STATES OF AMERICA STATE OF Texas) SS County of Brazoria personally appeared before me. Lonnie G. Hazlitt 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 BETH WILLIAMS NOTARY PUBLIC State of Texas Comm. Exp. 01-22-2013

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|--|--|
| FORM 220 | 20 ° 300 0/100 |
| | CERTIFICATE (Individual) |
| UNITED STATES OF AMERICA) STATE OF Texas) SS County of Brazoria | |
| On this 14 day of OCTOBE | , 20 , personally appeared before me, |
| known or identified to me to be the individua | eresa P. Karjala al described in and who executed the foregoing document deed for uses and purposes therein expressed. |
| SEAL | Buth 1 |
| State of Texas Comm. Exp. 01-22-2013 NOTARIAL C | ERTIFICATE (Individual) |
| UNITED STATES OF AMERICA) STATE OF Texas) SS County of Brazoria On this L day of COLOR | |
| known or identified to me to be the individual and acknowledged the same as a free act and constant SEAL BETH WILLIAMS | described in and who executed the foregoing document deed for user and purposes therein expressed. |
| Comm. Exp. 01-22-2013 | RTIFICATE (Individual) |
| UNITED STATES OF AMERICA | KTI TEATE (Hidividual) |
| STATE OF Texas) SS County Brazoria | · |
| On this 19 day of OCTOR | , 20 61, personally appeared before me. |
| known or identified to me to be the individual d and acknowledged the same as a free act and de | escribed in and who executed the formation do |
| SEAL | Run |
| BETH WILLIAMS NOTARY PUBLIC State of Texas Comm. Exp. 01-22-2013 | |
| | *** # * · * |



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

AUTHENT (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 Formation

at

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 <u>Del.C.§18-101</u>, <u>ct seq.</u>).

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.
- 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 23 day of December, 2010.

Norcen D. Warrick

Authorized Representative

Moreempriarrick

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

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)

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.
- 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 23 day of December, 2010.

Dow Global Technologies Inc.

Hy: <u>Moreen D. Warrick</u>
Name: Noreen D. Warrick

Title: Secretary

PATENT REEL: 029954 FRAME: 0871

RECORDED: 03/08/2013