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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8270937

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|---|---------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| BRENT J. SHERMAN | 11/12/2018 |
| UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC | 02/15/2019 |
| 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: | 16973075 |
| CORRESPONDENCE DATA | |
| Fax Number: | (612)659-9344 |
| <i>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.</i> | |
| Phone: | 6126599340 |
| Email: | dow.docketing@bipl.net |
| Correspondent Name: | BROOKS, CAMERON & HUEBSCH, PLLC |
| Address Line 1: | 1201 MARQUETTE AVE S |
| Address Line 2: | SUITE 400 |
| Address Line 4: | MINNEAPOLIS, MINNESOTA 55403 |
| ATTORNEY DOCKET NUMBER: | 82040-US-PCT |
| NAME OF SUBMITTER: | AIMEEJOY WEBER |
| SIGNATURE: | /Aimeejoy Weber/ |
| DATE SIGNED: | 11/10/2023 |
| Total Attachments: 4 | |
| source=82040 Assignment #1 (01127834xA424D)#page1.tif | |
| source=82040 Assignment #1 (01127834xA424D)#page2.tif | |
| source=82040 Assignment #3 (01127842xA424D)#page1.tif | |
| source=82040 Assignment #3 (01127842xA424D)#page2.tif | |



ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT which is dated: February 15, 2019

From, the ASSIGNOR:
**UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY LLC**
2020 Dow Center
Midland, Michigan 48674
United States of America

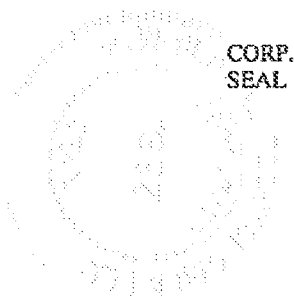
of the invention entitled:

**SEPARATIONS SYSTEM FOR RECOVERING HYDROCARBONS FROM SYNTHESIS OF
POLYETHYLENE POLYMERS**

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 25th day of February, 20 19



DOW GLOBAL TECHNOLOGIES LLC

By: *Steven W. Mork*
STEVEN W. MORK
Authorized Representative

01400 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900

ASSIGNMENT
(with Priority Rights)
and
INVENTORSHIP DECLARATION

We, ASSIGNOR, of: **UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC**
2020 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Mark W. Blood, P. O. Box 8361, 437 MacCorkle Avenue, SW, Building 300, South Charleston, West Virginia 25303, United States of America

by an Assignment dated: November 27, 2018 of an invention relating to and entitled:

SEPARATIONS SYSTEM FOR RECOVERING HYDROCARBONS FROM SYNTHESIS OF POLYETHYLENE POLYMERS

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

| Priority Number | Filing Date | Filing Country |
|-----------------|---------------|--------------------------|
| 62685443 | June 15, 2018 | United States of America |

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

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

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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 Sworn by us at Midland, Michigan 48674, USA
this 15th day of February, 20 19



CORP.
SEAL

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

[Handwritten Signature]

EDWARD W. BLACK
Secretary



ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT which is dated: November 12, 2018

From, the ASSIGNOR: Brent J. Sherman, 332 SH 332 E, Lake Jackson, Texas 77566, United States of America ,

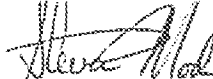
of the invention entitled:

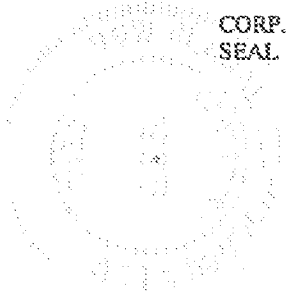
SEPARATIONS SYSTEM FOR RECOVERING HYDROCARBONS FROM SYNTHESIS OF POLYETHYLENE POLYMERS

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 25th day of February, 20 19

DOW GLOBAL TECHNOLOGIES LLC

By: 
STEVEN W. MORK
Authorized Representative



This Assignment 110 is in the English language and for the same meaning in other languages with the same effect as this one.

This Assignment 110 is in the English language and for the same meaning in other languages with the same effect as this one.

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FORM 110 (8/597)

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: **SEPARATIONS SYSTEM FOR RECOVERING HYDROCARBONS FROM SYNTHESIS OF POLYETHYLENE 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

an entity 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 Conventions 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 |
|-----------------|---------------|--------------------------|
| 82/685,403 | June 15, 2018 | 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 documents 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: Lake Jackson, Texas
 this 12 day of November, 2018
 Effective as of June 15, 2018

Signature: Brent J. Sherman
 Full Name: Brent J. Sherman
 Mailing Address: 332 SH 332 E
 Lake Jackson, Texas 77566
 United States of America

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Mailing Address: _____