503368366 06/26/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3414988

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| SEQUENCE: | 1 | |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|-----------------------|
| WERNER ZSCHOCH | 10/26/2011 |

RECEIVING PARTY DATA

| Name: | DOW OLEFINVERBUND GMBH | |
|-----------------|------------------------|--|
| Street Address: | STRASSE B 13 | |
| City: | SCHKOPAU | |
| State/Country: | GERMANY | |
| Postal Code: | 06258 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14352506 |

CORRESPONDENCE DATA

Fax Number: (989)636-3237

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.

Phone: 9896331963
Email: fglmfrr@dow.com
Correspondent Name: BARB STIEVE
Address Line 1: 2040 DOW CENTER

Address Line 4: MIDLAND, MICHIGAN 48674

| ATTORNEY DOCKET NUMBER: | 71576-US-PCT |
|-------------------------|---------------|
| NAME OF SUBMITTER: | BARB STIEVE |
| SIGNATURE: | /Barb Stieve/ |
| DATE SIGNED: | 06/26/2015 |

Total Attachments: 2

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PATENT 503368366 REEL: 035913 FRAME: 0673

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FORM 110 (R. 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I ans/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: POLYMERIZATION PROCESSES WITH FRESH ETHYLENE DISTRIBUTIONS FOR PREPARATION OF LOW DENSITY ETHYLENE-BASED 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 Olefinverbund GmbH Strasse B 13 06258 Schkopau GERMANY

a corporation organized and existing under the laws of Germany (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

| Driggits, Number | Eiling Date | P.U C |
|------------------|------------------|--------------------------|
| THORRY NEIROGI | rinng Date | Filing Country |
| 61/548,996 | October 19, 2011 | 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 Noumburg / Germany | At: | |
|-------------------------------------|---------------|---------------|
| this 26 day of October 20 11 | this day of | , 20 |
| Effective as of October 19, 2011 | | |
| Signature: XI ZI | | |
| Signature. | Signature: | |
| Full Name: Werner Zschoch | Full Name: | |
| Residence: Schellsitz 55 | Residence: | |
| 06618 Naumburg | | |
| GERMANY | | |
| Country: Germany | Country: | |
| Citizenship: Germany | Citizenship: | |
| P.O. Address: Same as Residence | P.O. Address: | |
| Employed By: Dow Olefinverbund GmbH | Employed By: | |
| Of Country: Germany | Of Country: | |
| | | |
| At: | At: | |
| this day of , 20 | this day of | , 20 |
| | | - |
| | | |
| Signature: | Signature: | |
| Full Name: | Full Name: | |
| Residence: | Residence: | |
| | | |
| Country: | Country: | |
| Citizenship: | Citizenship: | |
| P.O. Address: | P.O. Address. | |
| Employed By: | Employed By: | |
| Of Country: | Of Country: | |
| | | |

() Additi

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 OLEFINVERBUND GMBH

Strasse B 13 06258 Schkopau Germany

hereby accept the ASSIGNMENT attached hereto which is dated: October 26, 2011; effective as of October 19, 2011

From, the ASSIGNOR: Werner Zschoeh, Schellsitz 55, 06618 Naumburg, Germany, Citizen of Germany

of the invention entitled:

POLYMERIZATION PROCESSES WITH FRESH ETHYLENE DISTRIBUTIONS FOR PREPARATION OF LOW DENSITY ETHYLENE-BASED 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, Michig | an 48674, USA | | |
|-----------|-------------------|---------------------------|----------------|--|
| this 3rd | day of <u>Jar</u> | wary | , 20 <u> </u> | |
| | | DOW OLEFIN | VERBUND GMBH | |
| CORP | • | | . 77 | |
| SEAL | | Ву: | JP. +- | |
| | | DARRYL I | P. FRICKEY | |
| | | Authorized | Representative | |
| 76. T | V CIC A TO K A K | CONTRACTOR AND A STATE OF | CLA BOOK ACC | |

NOTARIAL CERTIFICATE (Corporation)

| UNITED STATES OF AMERICA) |
|---|
| STATE OF MICHIGAN) SS |
| County/Parish of Midland) |
| On this 3rol day of January, 2012, personally appeared |
| before me, DARRYL P. FRICKEY, 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 GERMANY, |

I further certify that said authority, dated March 9, 2011, is based on

by authority of a Power of Attorney

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.

SEAL

Rebecca Sive Hollingshead NOTARY PUBLIC, MICHAEL COUNTY, MICHIEL X N.Y CO...LISSION EXPIRES NOVEMBER C.S., EU., C.,

ellera Sue Hollengheas

PATENT REEL: 035913 FRAME: 0675

RECORDED: 06/26/2015