PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3732699

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| MORGAN M. HUGHES | 04/14/2011 |
| ARNIS U. PAEGLIS | 03/01/2011 |
| GARY R. MARCHAND | 03/03/2011 |

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: | 13991531 |

CORRESPONDENCE DATA

Fax Number: (713)528-1202

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: 713-528-1200

Email: paralegal@jlsalazar.com

Correspondent Name: THE JL SALAZAR LAW FIRM Address Line 1: 1934 W. GRAY ST., SUITE 401

Address Line 4: HOUSTON, TEXAS 77019

| ATTORNEY DOCKET NUMBER: | 67414-US-PCT |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | VALERIE FRIEDRICH |
| SIGNATURE: | /Valerie Friedrich/ |
| DATE SIGNED: | 02/11/2016 |

Total Attachments: 3

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> **PATENT REEL: 037702 FRAME: 0512**

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signment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

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: THERMOPLASTIC VULCANIZATE COMPOSITION, METHOD OF PRODUCING THE SAME, AND ARTICLES MADE THEREFROM

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

a limited liability company 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 |
|-------------------|-------------------|----------------|
| PCT/CN2010/080500 | December 30, 2010 | International |

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 /4 day of (1911), 20 11 | this 151 day of Monch, 20 11 |
| Effective as of December 30,/2010 | Effective as of December 30, 2010 |
| Man Mill | |
| Signature: // Mon flykes | Signature: WM V. Valet |
| Full Name: Morgan M. Hughes | Full Name: Arnis U. Paeglis |
| Residence: 708 Milton Street | Residence: 1004 Oak Park Lane |
| Angleton, Texas 77515 | Friendswood, Texas 77546 |
| UNITED STATES OF AMERICA | UNITED STATES OF AMERICA |
| 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 |
| F | |
| At: Freeport, Texas 77541, USA | At: |
| this 3rd day of March, 20 11 | this, 20 |
| Effective as of December 30, 2010 | |
| Signature: Gust Alarchad | |
| | Signature: |
| Full Name: Gary R. Marchand | Full Name: |
| Residence: 110 Lake Road, Apartment 808 ZZB | |
| Residence. TTO Lake Road, Apartment 506 225 | Residence: |
| Lake Jackson, Texas 77566 | Residence: |
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| Lake Jackson, Texas 77566 UNITED STATES OF AMERICA Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: The Dow Chemical Company | Country: Citizenship: P.O. Address: Employed By: |
| Lake Jackson, Texas 77566 UNITED STATES OF AMERICA Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence | Country: Citizenship: P.O. Address: |

() Additi

FORM 220

NOTARIAL CERTIFICATE (Individual)

| · · · · · · · · · · · · · · · · · · · |
|--|
| UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) On this |
| Morgan M. Hughes 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. |
| TAMMY TIPPS Notary Public, State of Texas My Commission Expires April 10, 2014 |
| NOTARIAL CERTIFICATE (Individual) |
| UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) |
| On this day of, 20, 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. |
| SEAL TAMMY TIPPS Notary Public, State of Texas My Commission Expires April 10, 2014 |
| NOTARIAL CERTIFICATE (Individual) |
| UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria) |
| On this 3 day of Gary R. Marchand, 20, personally appeared before me, |
| 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 Notary Public, State of Texas My Commission Expires April 10, 2014 |

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 LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: March 1, 2011; March 3, 2011; April 14, 2011; with an effective date as of December 30, 2010

From, the ASSIGNOR: Morgan M. Hughes, 708 Milton Street, Angleton, Texas 77515, 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; and Gary R. Marchand, 110 Lake Road, Apt 223, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America

of the invention entitled:

THERMOPLASTIC VULCANIZATE COMPOSITION, METHOD OF PRODUCING THE SAME, AND ARTICLES MADE THEREFROM

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 <i>i 9</i> | _day of |
| | DOW GLOBAL TECHNOLOGIES LLC |
| CORI SEAI | |
| | OTARIAL CERTIFICATE (Corporation) |
| STATE OF County/Pari On this before me, J known or iden | MICHIGAN) SS sh of Midland) 19 day of April , 20 1(, personally appeared |
| authority of the | lged the same as a free act and deed for uses and purposes therein expressed by e said limited liability company incorporated under the laws of the State of ited States of America. |
| I further certif | y that said authority, dated January 6, 2011, is based on |
| A delegation | of signature authority of said Limited Liability Company |
| the foregoing | seen, appointing the said individual Authorized Representative with full power to sign document on behalf of the said limited liability company and that the purposes for cument is granted are within the scope of the objects or activities of said limited any. |
| | yang Success |

SEAL

RECORDED: 02/11/2016

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

> PATENT REEL: 037702 FRAME: 0515