PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3495034

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| SEQUENCE: | 2 | |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| DOW BENELUX B.V. | 06/07/2011 |

RECEIVING PARTY DATA

| Name: | THE DOW CHEMICAL COMPANY | |
|-----------------|--------------------------|--|
| Street Address: | 2030 DOW CENTER | |
| City: | MIDLAND | |
| State/Country: | MICHIGAN | |
| Postal Code: | 48674 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13883688 |

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: | 69079-US-PCT |
|-------------------------|---------------|
| NAME OF SUBMITTER: | BARB STIEVE |
| SIGNATURE: | /Barb Stieve/ |
| DATE SIGNED: | 08/24/2015 |

Total Attachments: 3

source=69079-US-PCT 20150824 JTH Dow Benelux to TDCC#page1.tif source=69079-US-PCT 20150824 JTH Dow Benelux to TDCC#page2.tif source=69079-US-PCT 20150824 JTH Dow Benelux to TDCC#page3.tif

PATENT 503448409 REEL: 036400 FRAME: 0283

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number **FORM 440**

ASSIGNMENT

(with Priority Rights)

INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

DOW BENELUX B.V. Herbert H. Dowweg 5 4542 NM Hoek Netherlands

a corporation organized and existing under the laws of NETHERLANDS 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):

Sonet Vermaire-Louw, H. Roland Holstlaan 72, 4385KJ Vlissingen, Netherlands, Citizen of Netherlands and Henk Hagen, Tholensstraat 120, 4531 AT Terneuzen, Netherlands, Citizen of Netherlands

by an Assignment dated: May 4, 2011; May 5, 2011; with an effective date as of December 21, 2010 of an invention relating to and entitled:

PROCESS FOR TELOMERIZATION OF BUTADIENE USING A MONO-ORTHOALKOXY SUBSTITUTED CATALYST

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

WE, the ASSIGNEE:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

A corporation 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 |
|-----------------|-------------------|--------------------------|
| 61/425.373 | December 21, 2010 | 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 |
|---|--------------------|-------------|---------------------------------------|
| 1 | | | , , , , , , , , , , , , , , , , , , , |

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.

Midland, Michigan 48674, USA Subscribed and Sworn by us at

CORP

DOW BENELUX B.V.

SEAL

DARRYL P. FRICKEN Authorized Representative

Attach Notarial Certificate (Corporation)

PATENT REEL: 036400 FRAME: 0284 ◆550 ◆ 550

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number. FORM 550

NOTARIAL CERTIFICATE (Corporation)

| UNITED STATES OF AMERICA) |
|--|
| STATE OF MICHIGAN) SS |
| STATE OF MICHIGAN) SS County/Parish of Midland) |
| On this, 20, 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 NETHERLANDS. |
| I further certify that said authority, dated March 21, 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. |
| Va C (1) A |

SEAL

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

This Assignce 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:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: June 7, 2011; with an effective date as of December 21, 2010

From, the ASSIGNOR:

DOW BENELUX B.V. Herbert H. Dowweg 5 4542 NM Hoek Netherlands

of the invention entitled:

PROCESS FOR TELOMERIZATION OF BUTADIENE USING A MONO-ORTHOALKOXY SUBSTITUTED CATALYST

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 |
| THE DOW CHEMICAL COMPANY |
| CORP. SEAL By: |
| DARRYL P. FRICKEY |
| Assistant General Counsel - IP Law |
| NOTARIAL CERTIFICATE (Corporation) |
| UNITED STATES OF AMERICA) |
| STATE OF MICHIGAN) SS |
| County/Parish of Midland) |
| On this |
| before me, DARRYL P. FRICKEY, Assistant General Counsel - IP Law, |
| 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 April 6, 2011, is based on |
| a Certified Resolution |
| which I have seen, appointing the said individual Assistant General Counsel - IP Law 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

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

> **PATENT** REEL: 036400 FRAME: 0286

RECORDED: 08/24/2015