

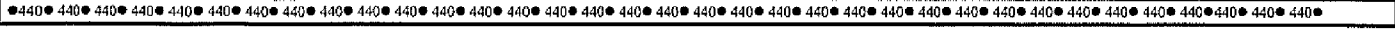
PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3423849

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|---|--------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| SEQUENCE: | 2 |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DOW DEUTSCHLAND GMBH & CO. OHG | 06/18/2010 |
| 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: | 14046312 |
| CORRESPONDENCE DATA | |
| Fax Number: | (989)636-3237 |
| <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: | 989-636-7934 |
| Email: | kswertz@dow.com |
| Correspondent Name: | KATHY WERTZ |
| Address Line 1: | 2040 DOW CENTER |
| Address Line 4: | MIDLAND, MICHIGAN 48674 |
| ATTORNEY DOCKET NUMBER: | 69034-US-DIV |
| NAME OF SUBMITTER: | KATHY WERTZ |
| SIGNATURE: | /Kathy Wertz/ |
| DATE SIGNED: | 07/02/2015 |
| Total Attachments: 3 | |
| source=69034-US-DIV 20150702 KSW Dow Deutschland to TDCC Assignment#page1.tif | |
| source=69034-US-DIV 20150702 KSW Dow Deutschland to TDCC Assignment#page2.tif | |
| source=69034-US-DIV 20150702 KSW Dow Deutschland to TDCC Assignment#page3.tif | |

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



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)
and
INVENTORSHIP DECLARATION

We, ASSIGNOR, of: **DOW DEUTSCHLAND GMBH & CO. OHG**
Werk Stade
Postfach 11 20
21677 Butzflethersand
Germany

a corporation **organized and existing under the laws of GERMANY** 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):

Juergen Eiffler, Ystadweg 4, 21682 Stade, Germany, Citizen of Germany; Heinz Groenewald, Butendiek 18, 21714 Hammah, Germany, Citizen of Germany; Manfred Kokott, Vergissmeinnicht 13, 21682 Stade, Germany, Citizen of Germany; Thomas U. Luebbe, Lennermannweg 13, 21684 Stade, Germany, Citizen of Germany; Holger Meemann, Am Ziegelkamp 14, 21682 Stade, Germany, Citizen of Germany; Peter Wenzel, St. Petri Platz 7, 21614 Buxtehude, Germany, Citizen of Germany; and Marcus Wobser, Haydnweg 1, 21682 Stade, Germany, Citizen of Germany

by an Assignment dated: of an invention relating to and entitled:

PROCESS FOR THE PRODUCTION OF CHLORINATED AND/OR FLUORINATED PROPENES AND HIGHER ALKENES

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 |
|-----------------|-----------------|--------------------------|
| 61/250,024 | October 9, 2009 | 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 18th day of June, 20 10

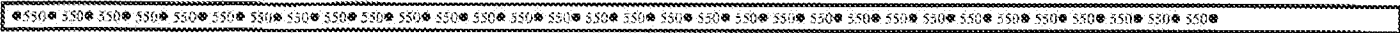
DOW DEUTSCHLAND GMBH & CO. OHG

CORP.
SEAL

By: Michael L. Glenn
MICHAEL L. GLENN
Authorized Representative

Attach Notarial Certificate (Corporation)

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



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
County/Parish of Midland)

On this 18th day of June, 2010, personally appeared before me, **MICHAEL L. GLENN, 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 **June 30, 2004**, is based on

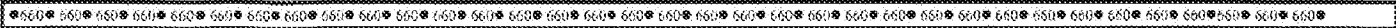
by authority of a Power of Attorney

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.

Rebecca Sue Hollingshead
SEAL

Rebecca Sue Hollingshead
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES NOVEMBER 25, 2012

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.



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: **THE DOW CHEMICAL COMPANY**
2030 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: June 18, 2010

From, the ASSIGNOR:
DOW DEUTSCHLAND GMBH & CO. OHG
Werk Stade
Postfach 11 20
21677 Butzflethersand
Germany

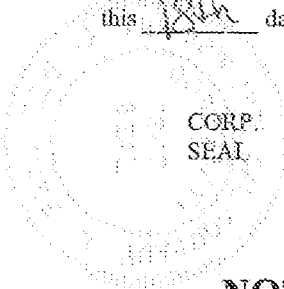
of the invention entitled:

PROCESS FOR THE PRODUCTION OF CHLORINATED AND/OR FLUORINATED PROPENES AND HIGHER ALKENES

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 18th day of June, 20 10



THE DOW CHEMICAL COMPANY

By: Michael L. Glenn
MICHAEL L. GLENN
Authorized Representative

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)

On this 18th day of June, 2010, personally appeared before me, **MICHAEL L. GLENN, 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 the State of Delaware, United States of America.

I further certify that said authority, dated February 9, 2006, is based on
an authority of a Resolution by the Board of Directors

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.

Rebecca Sue Hollingshead
SEAL

Rebecca Sue Hollingshead
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES NOVEMBER 25, 2012

PATENT