

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3912579

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	2	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DOW STADE PRODUKTIONS GMBH & CO. OHG	01/03/2011
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE DOW CHEMICAL COMPANY	
<b>Street Address:</b>	2030 DOW CENTER	
<b>City:</b>	MIDLAND	
<b>State/Country:</b>	MICHIGAN	
<b>Postal Code:</b>	48674	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14726685
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(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>		
<b>Phone:</b>	9896331963	
<b>Email:</b>	fglmfrr@dow.com	
<b>Correspondent Name:</b>	BARB STIEVE	
<b>Address Line 1:</b>	2040 DOW CENTER	
<b>Address Line 4:</b>	MIDLAND, MICHIGAN 48674	
<b>ATTORNEY DOCKET NUMBER:</b>	68300-US-PCD	
<b>NAME OF SUBMITTER:</b>	BARB STIEVE	
<b>SIGNATURE:</b>	/Barb Stieve/	
<b>DATE SIGNED:</b>	06/10/2016	
<b>Total Attachments: 3</b>		
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This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

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FORM 440

# ASSIGNMENT

(with Priority Rights)  
and  
INVENTORSHIP DECLARATION

We, ASSIGNOR, of: **DOW STADE PRODUKTIONS GMBH & CO. OHG**  
**Buetzflether Sand**  
**D-21683 Stade**  
**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):

Christina Zanth, Hagebuitenweg 30, 27404 Zeven, Germany, Citizen of Germany

by an Assignment dated: July 11, 2010 of an invention relating to and entitled:

## EFFICIENT FIXED BED PLATFORM FOR PRODUCTION OF ETHYLENE OXIDE BY PARTIAL OXIDATION OF ETHYLENE USING CATALYST OF WIDE SELECTIVITY

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
61/314,677	March 17, 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

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, USA**

this 3 day of January, 20 11

CORP.  
SEAL

**DOW STADE PRODUKTIONS GMBH & CO. OHG**

By:

*Michael L. Glenn*  
**MICHAEL L. GLENN**  
Authorized Representative

Attach Notarial Certificate (Corporation)

[illegible]

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

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

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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: January 3, 2011

From, the ASSIGNOR:

**DOW STADE PRODUKTIONS GMBH & CO. OHG**  
**Buetzflether Sand**  
**D-21683 Stade**  
**Germany**

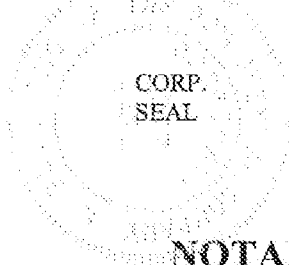
of the invention entitled:

**EFFICIENT FIXED BED PLATFORM FOR PRODUCTION OF ETHYLENE OXIDE BY  
 PARTIAL OXIDATION OF ETHYLENE USING CATALYST OF WIDE SELECTIVITY**

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, USA

this 3 day of January, 20 11



**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 3 day of January, 20 11, 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.

SEAL

Kathy Sue Wertz

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