# 503865914 06/10/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3912563

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
SEQUENCE:		1			
CONVEYING PARTY	DATA				
		Name		Execution Date	
CHRSITINA ZARTH				07/11/2010	
RECEIVING PARTY D	ΑΤΑ				
Name:	DOW ST	ADE PRODUKTIONS GMBH & CO	). OHG		
Street Address:	BUETZF	LETHER SAND			
City:	STADE				
State/Country:	GERMAN	١Y			
Postal Code:	D-21683				
Property Type	e	Number			
Application Number:	14	4726685			
		4726685			
CORRESPONDENCE	DATA				
CORRESPONDENCE Fax Number:	<b>DATA</b> (9	89)636-3237		ul, it will be sent	
CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i>	DATA (9 be sent to t		unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone:	DATA (9 be sent to t if provided; 98	989)636-3237 he e-mail address first; if that is if that is unsuccessful, it will be 396331963	unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email:	DATA (9 be sent to t if provided; 98 fg	989)636-3237 <i>he e-mail address first; if that is</i> <i>if that is unsuccessful, it will be</i> 396331963 Imfrr@dow.com	unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name	DATA (9 be sent to t if provided; 98 fg e: B	989)636-3237 <b>he e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 396331963 Imfrr@dow.com ARB STIEVE	unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email:	DATA (9 be sent to t if provided; 98 fg e: B, 20	989)636-3237 <i>he e-mail address first; if that is</i> <i>if that is unsuccessful, it will be</i> 396331963 Imfrr@dow.com	unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4:	DATA (9 be sent to t if provided; 98 fg e: B, 20 M	989)636-3237 <b>he e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IDLAND, MICHIGAN 48674	unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4:	DATA (9 be sent to t if provided; 98 fg 98 c: B, 20 NUMBER:	989)636-3237 <b>he e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IIDLAND, MICHIGAN 48674 68300-US-PCD	unsuccessi sent via US	ul, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET I	DATA (9 be sent to t if provided; 98 fg 98 c: B, 20 NUMBER:	089)636-3237 the e-mail address first; if that is if that is unsuccessful, it will be 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IDLAND, MICHIGAN 48674 68300-US-PCD BARB STIEVE	unsuccessi sent via US	ful, it will be sent Mail.	
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:	DATA (9 be sent to t if provided; 98 fg 98 c: B, 20 NUMBER:	089)636-3237 he e-mail address first; if that is if that is unsuccessful, it will be 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IDLAND, MICHIGAN 48674 68300-US-PCD BARB STIEVE /Barb Stieve/	unsuccessi sent via US	ful, it will be sent Mail.	
CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED:	DATA (9 be sent to t if provided; 98 fg 98 c: B, 20 NUMBER:	089)636-3237 the e-mail address first; if that is if that is unsuccessful, it will be 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IDLAND, MICHIGAN 48674 68300-US-PCD BARB STIEVE	unsuccessi sent via US	ful, it will be sent Mail.	
CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3	DATA (9 be sent to t if provided; 98 fg e: B, 20 NUMBER: 1:	089)636-3237 the e-mail address first; if that is if that is unsuccessful, it will be 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IDLAND, MICHIGAN 48674 68300-US-PCD BARB STIEVE /Barb Stieve/ 06/10/2016	unsuccessi sent via US	ful, it will be sent Mail.	
CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3 source=68300-US-PCD	DATA (9 be sent to t if provided; 98 fg e: B, 20 NUMBER: 20 NUMBER: 20160610 Ir	089)636-3237 he e-mail address first; if that is if that is unsuccessful, it will be 396331963 Imfrr@dow.com ARB STIEVE 040 DOW CENTER IDLAND, MICHIGAN 48674 68300-US-PCD BARB STIEVE /Barb Stieve/	unsuccessi sent via US	ful, it will be sent Mail.	

This Assignment 110 is in the EWGLISH language and loss the same according in other languages with the same 110 merica and RCGas. # ((de)) # ((de)) D# ((de)) (de)) (de)

This Assignment (19 is in the ENGLISH Impung FORM 110 (R 5/97)

#### INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verify believe I and/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: EFFICIENT FIXED BED PLATFORM FOR PRODUCTION OF ETHYLENE OXIDE BY PARTIAL OXIDATION OF ETHYLENE USING CATALYST OF WIDE SELECTIVITY

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 Stade Produktions GmbH & Co. OHG

Buetztlether Sand

D-21683 Stade

Germany

a corporation organized and existing under the laws of the State 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 nomineo(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 Convertion(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

1	Priority Number	Filing Date	Filing Country
	61/314,677	March 17, 2010	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 encambered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/as:

AC ZCVES	At:
this $AA$ day of $AQ$ $AQ$	this day of , 20
Effective as of March 17, 2010	Effective as of
all the second sec	
Signature: Christing Borth	Signature:
Full Name: Christina Zarth	Full Name:
Residence: Hagebuttenweg 30	Residence:
27404 Zeven	
GERMANY	
Country: Germany	Country:
Citizenship: Germany	Citizenship:
P.O. Address: Same as Residence	P.O. Address:
Employed By: Dow Stade Produktions GmbH & Co. OHG	Employed By:
Of Country: Germany	Of Country:
At:	Ac
this day of	this day of, 20
Effective as of	Effective as of
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
Country:	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address:
Employed By:	Employed By:
	5 <b>5</b>

( ) Additional names and signatures are attached.

**FORM 881** 

Dow Case No. 68300

### SUBSCRIBING WITNESS **AFFIDAVIT OF EXECUTION** OF AN ASSIGNMENT

I, Stefan Zarth

Whose full post office address is:

Hagebuttenwey 30 27404 Lever, Germany Make oath and say that I was personally present and did see:

Christina Zarth

Who is/are personally known or identified to me to be the inventor(s) named in the attached assignment, duly sign and execute the same for the purposes therein stated.

Signed at:	Zeven	
U		

On this <u>11</u> day of <u>July</u>, 20<u>10</u>

Subscribing Witness

08/90

Ċ,

TLA CASE NO. 68300 US PSP ta

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

This Assignce Acceptance 660 is in the ENGUSH language and has the same meaning in other languages with the same 660 sumber. FORM 660

#### ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

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

hereby accept the ASSIGNMENT attached hereto which is dated: July 11, 2010

From, the ASSIGNOR: Christina Zarth, Hagebuttenweg 30, 27404 Zeven, Germany, Citizen of 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 <u>Midland, Michigan, USA</u> this <u>3</u> day of <u>Cancelory</u>, 20 <u>11</u>

DOW STADE PRODUKTIONS GMBH & CO. OHG

CORP. SEAL

Michael & He

MICHAEL L. GLENN Authorized Representative

#### **NOTARIAL CERTIFICATE (Corporation)**

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

On this <u>day of</u> <u>day of</u> <u>day and</u>, 20<u>1</u>, 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

I further certify that said authority, dated January 18, 2010, is based on

authority of the said Corporation incorporated under the laws of GERMANY.

#### **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.

<u>SEAL</u> Kathy Sue Wertz

Kathy Sue Wertz NOTARY PUBLIC, MICLAND COUNTY, MICHICAN MY COMMISSION EXPIRES APRIL 07, 2012

PATENT REEL: 038877 FRAME: 0878

**RECORDED: 06/10/2016**