505210556 11/29/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5257324

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

### **CONVEYING PARTY DATA**

Name	Execution Date
MS. AILENE GARDNER PHILLIPS	02/24/2015

### **RECEIVING PARTY DATA**

Name:	UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC	
Street Address: 2020 DOW CENTER		
City:	MIDLAND	
State/Country:	MICHIGAN	
Postal Code:	48674	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15540076

### **CORRESPONDENCE DATA**

**Fax Number:** (248)504-4213

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:** 248-504-4849

Email: srh@hanseniplaw.com
Correspondent Name: HANSEN IP LAW PLLC
Address Line 1: P.O. BOX 300069

Address Line 4: WATERFORD, MICHIGAN 48330

ATTORNEY DOCKET NUMBER: 74993-US-PCT (5011-0167)

NAME OF SUBMITTER: STEVEN R. HANSEN

SIGNATURE: /Steven R. Hansen/

DATE SIGNED: 11/29/2018

**Total Attachments: 3** 

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PATENT 505210556 REEL: 047619 FRAME: 0353

# TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared. The original document(s) contains the authentic signature(s) from the inventor(s).

atFreeport, Texas 77541, USA
this 5 <sup>th</sup> day of June 2017
Office Professional
THE DOW CHEMICAL COMPANY
NOTARIAL CERTIFICATE
UNITED STATES OF AMERICA ) STATE OF <b>TEXAS</b> ) SS County/Parish of <b>Brazoria</b> )
On this $\frac{5+\infty}{20}$ day of $\frac{3\omega n \cdot 2}{20}$ , personally appeared before me,
Angela Paul
known or identified to me to be the individual who executed the foregoing documen and acknowledged the same as a free act and deed for uses and purposes therein expressed.
SEAL Notary Public M. Mills

KRISTYN M HUFFMAN Notory Public, State of Texas My Commission Expires January 17, 2019 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: PROCESS FOR MANUFACTURING ETHYLENE OXIDE USING SCALED SELECTIVITY VALUES

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 trustec(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

> Union Carbide Chemicals & Plastics Technology LLC 2020 Dow Center

Midland, Michigan 48674

an entity 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	
62/097,841	December 30, 2014	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 encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: South Charleston, WV this 24 day of February, 20 15 Effective as of December 30, 2014  Signature: Atlene Gardner Phillips Hailing 2001 Union Carbide Drive Address: South Charleston, West Virginia 25302  Country: United States of America	At: this day of, 20  Signature: Full Name: Mailing Address: Country:
At:	At: this day of, 20  Signature: Full Name: Mailing Address: Country:

Additional names and signatures are attached.

**PATENT** REEL: 047619 FRAME: 0355 මරුවෙම වුදුවම වුදුව

This Assigner Acceptaine 660 is to the ENGLISH language and has the same meaning in other languages with the same 600 number. FORM 660

# ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

UNION CARBIDE CHEMICALS & PLASTICS

TECHNOLOGY LLC 2020 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT which is dated: December 30, 2014

Midland, Michigan 48674, USA

From, the ASSIGNOR: Ailene, G. Phillips, 2001 Union Carbide Drive, South Charleston, West Virginia 25302, United States of America, Citizen of United States of America

of the invention entitled:

PROCESS FOR MANUFACTURING ETHYLENE OXIDE USING SCALED SELECTIVITY VALUES

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.

this day of	<u>October</u> , 20 15
CORP. SEAL	UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC  By: SUSAN M. ZERULL SECRETARY

### NOTARIAL CERTIFICATE

UNITED STATES O	FAMERICA )		
STATE OF MICHIG	AN )SS		
County/Parish of Mid	lland )		
On this day	of <u>(719</u> 6	er. 20 <u>15</u>	_, personally appeared
before me, SUSAN M.	ZERULL, Secretary,		
			ited the foregoing document
and acknowledged the sar			
authority of the said entity	/ organized and existing t	inder the laws of <b>the S</b> i	tate of Delaware, United
States of America.			

I further certify that said authority, dated May 5, 2015, is based on

#### Authorization Policy of said Limited Liability Company

which I have seen, appointing the said individual with full power to sign the foregoing document on behalf of the said emity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

Redects See Hollingshood NOTABY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES November 25, 2018

> PATENT REEL: 047619 FRAME: 0356

RECORDED: 11/29/2018