

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3681257

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	2	
CONVEYING PARTY DATA		
	Name	Execution Date
	JOHN W. WILCHEK JR	07/24/2013
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:	14901444
CORRESPONDENCE DATA		
Fax Number:	(860)286-0115	
<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:	860-286-2929	
Email:	mhayden@cantorcolburn.com	
Correspondent Name:	CANTOR COLBURN, LLC	
Address Line 1:	20 CHURCH STREET, 22ND FLOOR	
Address Line 4:	HARTFORD, CONNECTICUT 06103	
ATTORNEY DOCKET NUMBER:	74905-USPCT(DC110001US2)	
NAME OF SUBMITTER:	DAVID E. RODRIGUES	
SIGNATURE:	/David E. Rodrigues/	
DATE SIGNED:	01/05/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3		
source=74905-USPCT-DC110001US2-Assignment-Wilchek-to-Union#page1.tif		
source=74905-USPCT-DC110001US2-Assignment-Wilchek-to-Union#page2.tif		
source=74905-USPCT-DC110001US2-Assignment-Wilchek-to-Union#page3.tif		

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

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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: FOULING-RESISTANT DISTILLATION COLUMN AND PROCESS FOR THE MANUFACTURE OF COMPOUNDS

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:

Union Carbide Chemicals & Plastics Technology LLC
2020 Dow Center
Midland, Michigan 48674

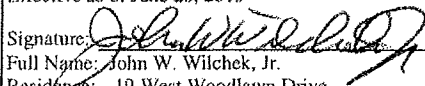
a limited liability company organized and existing under the laws of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted 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
61/840,840	June 28, 2013	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: HAHNVILLE, LA, USA
this 24 day of JULY, 20 13
Effective as of June 28, 2013
Signature: 
Full Name: John W. Wilchek, Jr.
Residence: 19 West Woodlawn Drive
Destrehan, Louisiana 70047
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Union Carbide Corporation
Of Country: United States of America

At: _____
this _____ day of _____, 20 ____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20 ____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20 ____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

() Additional names and signatures are attached.

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: **UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC**
2020 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: July 24, 2013

From, the ASSIGNOR: John W. Wilchek, Jr., 19 West Woodlawn Drive, Destrehan, Louisiana
 70047, United States of America, Citizen of United States of America

of the invention entitled:

**FOULING-RESISTANT DISTILLATION COLUMN AND PROCESS FOR THE
 MANUFACTURE OF COMPOUNDS**

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 31 day of July, 20 13

CORP.
SEAL

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

By: Charles J. Maurer III
CHARLES J. MAURER III
 Secretary

NOTARIAL CERTIFICATE

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

On this 31 day of July, 20 13, personally appeared
 before me, **CHARLES J. MAURER III, Secretary**,
 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 entity organized and existing under the laws of **the State of Delaware, United
 States of America**.

I further certify that said authority, dated **December 31, 2007**, is based on

Authorization Policy of said Limited Liability Company

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

SEAL

Kathy Sue Wertz
 Kathy Sue Wertz
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2018

FORM 550

Kathy Sue Wert
Kathy Sue Wert
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES APRIL 07, 2018