PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Union Carbide Chemicals & Plastics Technology LLC	02/14/2011

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:	11710010

CORRESPONDENCE DATA

Fax Number: (989)636-3237

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 989-636-0960

Email: plkipfmiller@dow.com

Correspondent Name: Pattie Kipfmiller

Address Line 1: The Dow Chemical Company

Address Line 2: 2040 Dow Center

Address Line 4: Midland, MICHIGAN 48674

ATTORNEY DOCKET NUMBER: 63802C CIP1

Pattie Kipfmiller

Total Attachments: 3

NAME OF SUBMITTER:

source=63802C US CIP1 20110214 JRP UCC to TDCC Assignment#page1.tif source=63802C US CIP1 20110214 JRP UCC to TDCC Assignment#page2.tif source=63802C US CIP1 20110214 JRP UCC to TDCC Assignment#page3.tif

PATENT REEL: 025804 FRAME: 0043 .H \$40.00 11/1001

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:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

2020 Dow Center Midland, Michigan 48674 United States of America

a Limited Liability Company organized and existing under the laws of **Delaware** 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):

Jeffrey G. Hippler, 1124 Ivywood Lane, South Charleston, West Virginia 25309-1708, United States of America

by an Assignment dated: August 2, 2007 of an invention relating to and entitled:

A PROCESS FOR THE CONVERSION OF A CRUDE GLYCEROL, CRUDE MIXTURES OF NATURALLY DERIVED MULTICOMPONENT ALIPHATIC HYDROCARBONS OR ESTERS THEREOF TO A CHLOROHYDRIN

We do hereby declare, for good and valuable consideration assign, and transfer unto:

received, sell,

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 _______11/710,010 and Filing Date February 22, 2007 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 No. _ _and Filing Date _ 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. 14 day of February 2011 UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC CORP. SEAL

Attach Notarial Certificate (Corporation)

PATENT REEL: 025804 FRAME: 0044 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)

PATENT REEL: 025804 FRAME: 0045 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: February 14, 20/1

From, the ASSIGNOR:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

2020 Dow Center

Midland, Michigan 48674, U.S.A.

Midland, Michigan 48674 United States of America

of the invention entitled:

Signed at

A PROCESS FOR THE CONVERSION OF A CRUDE GLYCEROL, CRUDE MIXTURES OF NATURALLY DERIVED MULTICOMPONENT ALIPHATIC HYDROCARBONS OR ESTERS THEREOF TO A CHLOROHYDRIN

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	14 day of Folo	recever. 20 11
	, e	THE DOW CHEMICAL COMPANY
	CORP.	
	SEAL	By: Mechad & Llenn
		MICHAEL L. GLENN
	$\mathcal{L}_{\mathrm{LS}}^{\mathrm{LS}} = \mathcal{L}_{\mathrm{LS}}^{\mathrm{LS}}$	Authorized Representative
	NOTARIAL	CERTIFICATE (Corporation)
UNITI	ED STATES OF AME	ERICA)
STAT	E OF MICHIGAN) SS
County	y/Parish of Midland)
On this	s	Chricary, 2011, personally appeared
before	me, MICHAEL L. GLE	NN, Authorized Representative,
and ack	nowledged the same as a fr	e individual described in and who executed the foregoing document see act and deed for uses and purposes therein expressed by authority and 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
A Resol	ution of the Roard of Dir	vectors of the said Cornoration

which I have seen, appointing the said individual Attorney-in-fact 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

NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2012

> **PATENT** REEL: 025804 FRAME: 0046

RECORDED: 02/14/2011