502110255 10/29/2012

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 Corporation	05/03/2005

RECEIVING PARTY DATA

Name:	Dow Global Technologies LLC.
Street Address:	2040 Dow Center
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13316136

CORRESPONDENCE DATA

9792380878 Fax Number:

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

9792381647 Phone: Email: burr@dow.com Correspondent Name: Lauren Burr

Address Line 1: 2301 North Brazosport Boulevard

Address Line 4: Freeport, TEXAS 77541

ATTORNEY DOCKET NUMBER:	63668A-US-PCD
NAME OF SUBMITTER:	Lauren P. Burr

Total Attachments: 7

source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page1.tif source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page2.tif source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page3.tif source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page4.tif source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page5.tif source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page6.tif source=63668A-US-PCT_2012109 RA UCCPTC to DGTL#page7.tif

> **PATENT** REEL: 029206 FRAME: 0197

502110255

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 CORPORATION

39 Old Ridgebury Road

Danbury, Connecticut 06817-0001 UNITED STATES OF AMERICA

a corporation organized and existing under the laws of the State of Delaware, United States of America 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):

Paul K. Samples, 222 Maplewood Estates, Scott Depot, West Virginia 25560, United States of America;

John R. Parrish, 5002 Dempsey Drive, Cross Lanes, West Virginia 25313, United States of America; and

Jeffrey R. Drabish, 120 Canterbury Circle, Elkview, West Virginia 25071, United States of America. of an invention relating to and entitled:

METHOD OF CONTROLLING A POLYMERIZATION REACTOR

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

received, sell,

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.

Washington Street 1790 Building 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 ıd

corresponding applications in any and al	il countries, including all rigi	hts to claim priority under all:	International Conventions and
Treaties in the name of said Assigner, as	nd do hereby authorize said	Assignee to insert here the	
Priority Number 60/622,755	and Filing Date	October 28, 2804	
in the United States of Ameri			
of the application on which the priority vall countries; and we do hereby agree to conflict, opposition or litigation which a divisional, continuing or substitute appliabove and below specifically identified a to insert here the	assist said Assignee in the pr nay arise involving said inve- ication and assent to their ma application, as may be reques	rosecution of the said applicat ntion or the patent or patents t aking any applications in other sted by said Assignee; and we	ions and in any interference, thereon, and to execute any reisauc r countries corresponding to the do hereby authorize said Assignee
Corresponding Application No	and Filing	g Date	· · · · · · · · · · · · · · · · · · ·
in			77777
hereby authorize and request that any su recordal of this Assignment being under rights are not encumbered by any grant,	covenant, not only that we h	nave full power to make the sa	
Subscribed and Sworn by us at	Midland, Mic	higan 48674, USA	uunnannaninnannannanninnannannannannannin
this 3 day of MOLL	20	marror.	
UNIÓN	CARBIDE CHEMICAI	ls & Plastics Techn	OLOGY CORPORATION
SEAL.	101	S 011	

CHARLES J. MAUKER III

Attach Notarial Certificate (Corporation)

77

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

This Noterial 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)

UNITED STATES OF AMERICA)	
STATE OF MICHIGAN)	SS
County/Parish of Midland)	
and acknowledged the same as a free act and o	20 05 personally appeared ecretary, described in and who executed the foregoing documendeed for uses and purposes therein expressed by under the laws of the State of Delaware, United State
I further certify that said authority, dated Sept	tember 17, 2001, is based on
an Authorization Policy of the said Corpora	ation,
	lual Attorney-in-fact with full power to sign the coration and that the purposes for which said document or activities of said corporation.
SEAL	ANL M. Nutzell Notary Public

Jane M. Neitzel
Notary Public, Bay County, Michigan
Acting In Midland County, Michigan
My Commission Expires September 26, 2007

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:

DOW GLOBAL TECHNOLOGIES INC.

Washington Street 1790 Building

Midland, Michigan 48674

UNITED STATES OF AMERICA

hereby accept the ASSIGNMENT attached hereto which is dated:

From, the ASSIGNOR:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION

39 Old Ridgebury Road

Danbury, Connecticut 06817-0001 UNITED STATES OF AMERICA

of the invention entitled:

METHOD OF CONTROLLING A POLYMERIZATION REACTOR

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, Mich	gan 48674, USA	
this, 4#	day of May	, 20 <u>05</u>	
S	0	DOW GLOBAL TECHNOLOGIES INC.	
_CORP	•		
, SEAL		- Quality	
		By: Moreon DWarrick	
47 2		NOREEN D. WARRICK	
		Sacretary	

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)
On this 4th day of May	2005 personally appeared
before me, NOREEN D. WARRICK, Se	cretary,
and acknowledged the same as a free act an authority of the said corporation incorporate	nal described in and who executed the foregoing document and deed for uses and purposes therein expressed by the condendation of the State of Delaware, United States
of America.	
I further certify that said authority dated Re	ehrmary 11, 2002 is based on

ther certify that said authority, dated February 11, 2002, is based on

an Authorization Policy of the said Corporation,

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

Brandy L. Kozak Notary Public, Bay County, Michigan Acting in Midland County My Commission: Expires October 19, 2006



PAGE 2

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF CERTIFICATE OF FORMATION OF "DOW GLOBAL

TECHNOLOGIES LLC" FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY

OF DECEMber, A.D. 2010, AT 10:40 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENTYCATION: 8457755

DATE: 12-29-10

State of Delaware Secretary of State Division of Corporations Delivered 10:40 AM 12/23/2010 FILED 10:40 AM 12/23/2010 SRV 101227862 - 2332072 FILE

Certificate of Formation

41¥

Dow Global Technologies I.I.C

This Certificate of Formation of Dow Global Technologies LLC has been duly executed and is being filed by Noreen D. Warrick, as an authorized representative, to form a limited liability company under the Delaware Limited Liability Company Act (6 <u>Del.C.\$18-101</u>, <u>ct seq.</u>).

1. The name of the limited liability company is:

Dow Global Technologies LLC

- 2. The address of the limited liability company's registered office in the State of Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of the limited liability company's registered agent for service of process in the State of Delaware at such address is the Corporation Trust Company.
- The effective date for the formation of this limited liability company is December 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Dow Global Technologies LLC this 23 day of December, 2010.

Norcen D. Warrick Authorized Representative

Moreem Drannick

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE

CORPORATION UNDER THE NAME OF "DOW GLOBAL TECHNOLOGIES INC." TO

A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM

"DOW GLOBAL TECHNOLOGIES INC." TO "DOW GLOBAL TECHNOLOGIES LLC",

FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D.

2010, AT 10:40 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENTY CATION: 8457755

DATE: 12-29-10

P.3/3

State of Delaware Secretary of State Division of Corporations Delivered 10:40 AM 12/23/2010 FILED 10:40 AM 12/23/2010 SRV 101227862 - 2332072 FILE

Certificate of Conversion
of
Dow Global Technologies Inc.
(a Delaware corporation)
to
Dow Global Technologies LLC
(a Delaware timited liability company)

Pursuant to Section 18-214 of the Limited Liability Company Act

Dow Global Technologies Inc., a Delaware corporation (the "Corporation"), files this Certificate of Conversion (the "Certificate") and hereby certifies the following:

- 1. The jurisdiction where the Corporation was first formed is Delaware.
- 2. The jurisdiction immediately prior to filing this Certificate is Delaware.
- 3. The date the Corporation was first formed is April 6, 1993.
- 4. The name of the Corporation immediately prior to filing this Certificate is Dow Global Technologies Inc.
- The name of the limited liability company as set forth in the Certificate of Formation is Dow Global Technologies LLC.
- 6. The future effective date of the conversion to a limited liability company is December 31, 2010.

IN WITNESS WHEREOF, the undersigned has executed this Certificate on the 23'day of December, 2010.

Dow Global Technologies Inc.

Name: Noreen D. Warrick

Title: Secretary

PATENT REEL: 029206 FRAME: 0204

RECORDED: 10/29/2012