

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	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:	11666723
CORRESPONDENCE DATA	
Fax Number:	(979)238-0878
Phone:	9792381386
Email:	khuffman@dow.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Kristyn Huffman
Address Line 1:	2301 N. Brazosport Blvd.
Address Line 2:	B-1211
Address Line 4:	Freeport, TEXAS 77541
ATTORNEY DOCKET NUMBER:	63668A-US-PCT
NAME OF SUBMITTER:	Kristyn Huffman
Total Attachments: 11 source=63668A-US-PCT_20111111_RA_UCC_to_DGTI#page1.tif source=63668A-US-PCT_20111111_RA_UCC_to_DGTI#page2.tif source=63668A-US-PCT_20111111_RA_UCC_to_DGTI#page3.tif	

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PATENT
REEL: 027214 FRAME: 0879

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This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

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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 B. 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 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 60/622,755 and Filing Date October 28, 2004

in the 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 _____

in _____ 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.

Subscribed and Sworn by us at Midland, Michigan 48674, USA

this 3 day of May, 2005

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION

CORP.
SEAL

By:

Charles J. Maurer III
CHARLES J. MAURER III
 Secretary

Attach Notarial Certificate (Corporation)

[illegible]

FORM 550

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

On this 3 day of May, 2005, 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 corporation incorporated under the laws of **the State of Delaware, United States of America**.

I further certify that said authority, dated September 17, 2001, 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

Jane M. Neitzel
Notary Public

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

[illegible]

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, Michigan 48674, USA
this 4th day of May, 2005

DOW GLOBAL TECHNOLOGIES INC.

CORP.
SEAL

By: Noreen D. Warrick
NOREEN D. WARRICK
Secretary

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**, 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 corporation incorporated under the laws of **the State of Delaware, United States of America**.

I further 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. Kozar
Notary Public

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

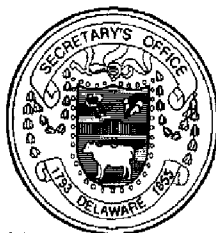
Delaware

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.

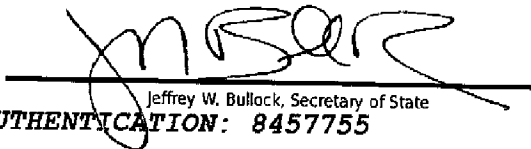
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.



2332072 8100V

101227862

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


Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 8457755

DATE: 12-29-10

PATENT
REEL: 027214 FRAME: 0884

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
of
Dow Global Technologies LLC

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 Del.C. §18-101, et seq.).

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.
3. 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 23rd day of December, 2010.

Noreen D. Warrick
Noreen D. Warrick
Authorized Representative

Delaware

PAGE 1

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.

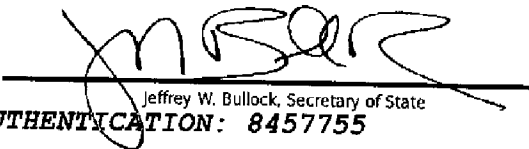
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010.

2332072 8100V

101227862

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




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 8457755

DATE: 12-29-10

PATENT
REEL: 027214 FRAME: 0886

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 limited 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.
5. 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 23rd day of December, 2010.

Dow Global Technologies Inc.

By: Noreen D. Warrick
Name: Noreen D. Warrick
Title: Secretary

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, 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 "UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION" TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION" TO "UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC", FILED IN THIS OFFICE ON THE TWENTIETH DAY OF DECEMBER, A.D. 2007, AT 10:12 O'CLOCK A.M.



2178794 8100V

080048240

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

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 6313555

DATE: 01-15-08

PATENT
REEL: 027214 FRAME: 0888

CERTIFICATE OF CONVERSION
OF
Union Carbide Chemicals & Plastics Technology Corporation
(a Delaware corporation)
to
Union Carbide Chemicals & Plastics Technology LLC
(a Delaware limited liability company)

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

Union Carbide Chemicals & Plastics Technology Corporation, 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 was Delaware.
3. The date the Corporation was first formed was November 21, 1988.
4. The name of the Corporation immediately prior to filing this Certificate was Union Carbide Chemicals & Plastics Technology Corporation.
5. The name of the limited liability company as set forth in the Certificate of Formation is Union Carbide Chemicals & Plastics Technology LLC.
6. This Certificate of Conversion shall be effective as of the close of business in the State of Delaware on December 31, 2007.

IN WITNESS WHEREOF, the undersigned has executed this Certificate on the 20th day of December, 2007.

Union Carbide Chemicals & Plastics
Technology Corporation

By: *Cheryl E. Corbett*
Name: Cheryl E. Corbett
Title: Assistant Secretary

State of Delaware
Secretary of State
Division of Corporations
Delivered 10:12 AM 12/20/2007
FILED 10:12 AM 12/20/2007
SRV 071345950 - 2178794 FILE

Delaware

PAGE 2

The First State

I, HARRIET SMITH WINDSOR, 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 "UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC" FILED IN THIS OFFICE ON THE TWENTIETH DAY OF DECEMBER, A.D. 2007, AT 10:12 O'CLOCK A.M.



2178794 8100V

080048240

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

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 6313555

DATE: 01-15-08

PATENT
REEL: 027214 FRAME: 0890

**CERTIFICATE OF FORMATION
OF
Union Carbide Chemicals & Plastics Technology LLC**

This Certificate of Formation of Union Carbide Chemicals & Plastics Technology LLC has been duly executed and is being filed by Cheryl E. Corbett, as an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act (6 Del.C. §18-101, et seq.).

1. The name of the limited liability company is:

Union Carbide Chemicals & Plastics Technology 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.

3. This Certificate of Formation shall be effective on December 31, 2007.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Union Carbide Chemicals & Plastics Technology LLC this 20th day of December, 2007.

Cheryl E. Corbett

Cheryl E. Corbett
Assistant Secretary

State of Delaware
Secretary of State
Division of Corporations
Delivered 10:12 AM 12/20/2007
FILED 10:12 AM 12/20/2007
SRV 071345950 - 2178794 FILE