

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT              |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
|--|-----------------------------|---------------|----------------|---------------------|------------|--------------|------------|------------------|------------|-----------------|------------|------------------------|------------|----------------|------------|-----------------|------------|----------------|------------|---------------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| <b>CONVEYING PARTY DATA</b>  |                             |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Max M Tirtowidjojo</td> <td>05/10/2006</td> </tr> <tr> <td>Barry B Fish</td> <td>05/10/2006</td> </tr> <tr> <td>Dennis W. Jewell</td> <td>05/17/2006</td> </tr> <tr> <td>Mark D. Bearden</td> <td>05/10/2006</td> </tr> <tr> <td>John G. Pendergast Jr.</td> <td>05/17/2006</td> </tr> <tr> <td>Jon H. Siddall</td> <td>06/05/2006</td> </tr> <tr> <td>Brien A. Stears</td> <td>05/16/2006</td> </tr> <tr> <td>Haivan D. Tran</td> <td>06/02/2006</td> </tr> <tr> <td>Richard M. Wehmeyer</td> <td>05/10/2006</td> </tr> </tbody> </table> |                             | Name          | Execution Date | Max M Tirtowidjojo  | 05/10/2006 | Barry B Fish | 05/10/2006 | Dennis W. Jewell | 05/17/2006 | Mark D. Bearden | 05/10/2006 | John G. Pendergast Jr. | 05/17/2006 | Jon H. Siddall | 06/05/2006 | Brien A. Stears | 05/16/2006 | Haivan D. Tran | 06/02/2006 | Richard M. Wehmeyer | 05/10/2006 |
| Name   | Execution Date              |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Max M Tirtowidjojo   | 05/10/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Barry B Fish   | 05/10/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Dennis W. Jewell   | 05/17/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Mark D. Bearden  | 05/10/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| John G. Pendergast Jr.   | 05/17/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Jon H. Siddall   | 06/05/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Brien A. Stears  | 05/16/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Haivan D. Tran   | 06/02/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Richard M. Wehmeyer  | 05/10/2006                  |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| <b>RECEIVING PARTY DATA</b>  |                             |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Name:  | Dow Global Technologies LLC |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Street Address:  | 2040 Dow Center             |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| City:  | Midland                     |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| State/Country:   | MICHIGAN                    |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Postal Code:   | 48674                       |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |                             |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12296961</td> </tr> </tbody> </table>  |                             | Property Type | Number         | Application Number: | 12296961   |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Property Type  | Number                      |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Application Number:  | 12296961                    |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| <b>CORRESPONDENCE DATA</b>   |                             |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Fax Number:  | (979)238-0878               |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Phone:   | 979-238-3360                |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Email:   | dpatton@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:  | Darlene Patton              |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Address Line 1:  | 2301 N. Brazosport Blvd     |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |
| Address Line 4:  | Freeport, TEXAS 77541       |               |                |                     |            |              |            |                  |            |                 |            |                        |            |                |            |                 |            |                |            |                     |            |

CH \$40.00 12296961

|   |                |
|---|----------------|
| ATTORNEY DOCKET NUMBER:   | 64832A US-PCT  |
| NAME OF SUBMITTER:  | Darlene Patton |
| <p>Total Attachments: 10<br/>source=64832A_Inventors_to_DGTI#page1.tif<br/>source=64832A_Inventors_to_DGTI#page2.tif<br/>source=64832A_Inventors_to_DGTI#page3.tif<br/>source=64832A_Inventors_to_DGTI#page4.tif<br/>source=64832A_Inventors_to_DGTI#page5.tif<br/>source=64832A_Inventors_to_DGTI#page6.tif<br/>source=64832A_Inventors_to_DGTI#page7.tif<br/>source=64832A_Inventors_to_DGTI#page8.tif<br/>source=64832A_Inventors_to_DGTI#page9.tif<br/>source=64832A_Inventors_to_DGTI#page10.tif</p> |                |



# 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:

### MIXED ALCOHOL SYNTHESIS WITH ENHANCED CARBON VALUE USE

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, by virtue of my/our employee agreement(s) and contractual agreement(s) between our employer(s) and Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, I/we sell, assign and transfer unto:

**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, U.S.A. (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

Application No. 60/791,763 Filing Date April 13, 2006

in country the 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; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

Application No. \_\_\_\_\_ Filing Date \_\_\_\_\_

in country \_\_\_\_\_

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. 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: <u>Freeport, Texas 77541, USA</u>                        |
| this <u>10<sup>th</sup></u> day of <u>May</u> , 20 <u>06</u> |
| Effective as of April 13, 2006                               |
| Signature: <u>[Signature]</u>                                |
| Full Name: <u>Max M. Tirtowidjojo</u>                        |
| Residence: <u>110 Rosewood<br/>Lake Jackson, Texas 77566</u> |
| Country: <u>United States of America</u>                     |
| Citizenship: <u>United States of America</u>                 |
| P. O. Address: <u>Same as Residence</u>                      |
| Employed By: <u>The Dow Chemical Company</u>                 |
| Of Country: <u>United States of America</u>                  |

|  |
|--|
| At: <u>Freeport, Texas 77541, USA</u>                              |
| this <u>10</u> day of <u>May</u> , 20 <u>06</u>                    |
| Effective as of April 13, 2006                                     |
| Signature: <u>[Signature]</u>                                      |
| Full Name: <u>Barry B. Fish</u>                                    |
| Residence: <u>71 Rosewood Street<br/>Lake Jackson, Texas 77566</u> |
| Country: <u>United States of America</u>                           |
| Citizenship: <u>United States of America</u>                       |
| P. O. Address: <u>Same as Residence</u>                            |
| Employed By: <u>The Dow Chemical Company</u>                       |
| Of Country: <u>United States of America</u>                        |

|   |
|---|
| At: <u>Freeport, Texas 77541, USA</u>                         |
| this <u>17<sup>th</sup></u> day of <u>May</u> , 20 <u>06</u>  |
| Effective as of April 13, 2006                                |
| Signature: <u>[Signature]</u>                                 |
| Full Name: <u>Dennis W. Jewell</u>                            |
| Residence: <u>209 Coleman Drive<br/>Angleton, Texas 77515</u> |
| Country: <u>United States of America</u>                      |
| Citizenship: <u>United States of America</u>                  |
| P. O. Address: <u>Same as Residence</u>                       |
| Employed By: <u>The Dow Chemical Company</u>                  |
| Of Country: <u>United States of America</u>                   |

|   |
|---|
| At: <u>Freeport, Texas 77541, USA</u>                             |
| this <u>10</u> day of <u>May</u> , 20 <u>06</u>                   |
| Effective as of April 13, 2006                                    |
| Signature: <u>[Signature]</u>                                     |
| Full Name: <u>Mark D. Bearden</u>                                 |
| Residence: <u>118 Clover Street<br/>Lake Jackson, Texas 77566</u> |
| Country: <u>United States of America</u>                          |
| Citizenship: <u>United States of America</u>                      |
| P. O. Address: <u>Same as Residence</u>                           |
| Employed By: <u>The Dow Chemical Company</u>                      |
| Of Country: <u>United States of America</u>                       |

(X) Additional names and signatures are attached.

OK



FORM 113

Docket Ref. 64832

Page two of two

Additional names, addresses and signatures to be attached to Form No. 110  
Entitled: **INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION**

At: Freeport, Texas 77541, USA  
this 17 day of MAY 2006  
Effective as of April 13, 2006

Signature: *John G. Pendergast Jr.*  
Full Name: **John G. Pendergast, Jr.**  
Residence: **60 Parsley Court  
Lake Jackson, Texas 77566**  
Country: **United States of America**  
Citizenship: **United States of America**  
P. O. Address: **Same as Residence**  
Employed By: **The Dow Chemical Company**  
Of Country: **United States of America**

At: Midland, Michigan 48674, USA  
this 5th day of JUNE 2006  
Effective as of April 13, 2006

Signature: *Jon H. Siddall*  
Full Name: **Jon H. Siddall**  
Residence: **3308 Hubbard Road  
Midland, Michigan 48640**  
Country: **United States of America**  
Citizenship: **United States of America**  
P. O. Address: **Same as Residence**  
Employed By: **The Dow Chemical Company**  
Of Country: **United States of America**

At: Freeport, Texas 77541, USA  
this 16 day of MAY 2006  
Effective as of April 13, 2006

Signature: *Byron A. Stears*  
Full Name: **Byron A. Stears**  
Residence: **5227 Pilgrim Oaks Lane  
League City, Texas 77573**  
Country: **United States of America**  
Citizenship: **United States of America**  
P. O. Address: **Same as Residence**  
Employed By: **The Dow Chemical Company**  
Of Country: **United States of America**

Houston 77043  
At: Freeport, Texas 77541, USA  
this 2nd day of JUNE 2006  
Effective as of April 13, 2006

Signature: *Haivan D. Tran*  
Full Name: **Haivan D. Tran**  
Residence: **3103 East Cedar Hollow Drive  
Pearland, Texas 77584**  
Country: **United States of America**  
Citizenship: **United States of America**  
P. O. Address: **Same as Residence**  
Employed By: **The Dow Chemical Company**  
Of Country: **United States of America**

At: Freeport, Texas 77541, USA  
this 10th day of MAY 2006  
Effective as of April 13, 2006

Signature: *Richard M. Wehmeyer*  
Full Name: **Richard M. Wehmeyer**  
Residence: **205 Zinnia Street  
Lake Jackson, Texas 77566**  
Country: **United States of America**  
Citizenship: **United States of America**  
P. O. Address: **Same as Residence**  
Employed By: **The Dow Chemical Company**  
Of Country: **United States of America**

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

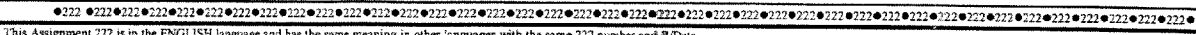
Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Country: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
P. O. Address: \_\_\_\_\_  
Employed By: \_\_\_\_\_  
Of Country: \_\_\_\_\_

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: \_\_\_\_\_



FORM 222

Docket Ref. 64832

**NOTARIAL CERTIFICATE (INDIVIDUAL)**

UNITED STATES OF AMERICA )  
STATE OF TEXAS ) SS  
County/Parish of Brazoria )

On this 10<sup>th</sup> day of May, 2006, personally appeared before me,

**Max M. Tirtowidjojo**

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.

Notary Public



**NOTARIAL CERTIFICATE (INDIVIDUAL)**

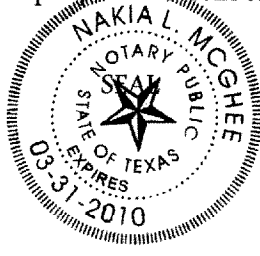
UNITED STATES OF AMERICA )  
STATE OF TEXAS ) SS  
County/Parish of Brazoria )

On this 10<sup>th</sup> day of May, 2006, personally appeared before me,

**Barry B. Fish**

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.

Notary Public



**NOTARIAL CERTIFICATE (INDIVIDUAL)**

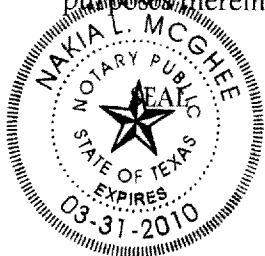
UNITED STATES OF AMERICA )  
STATE OF TEXAS ) SS  
County/Parish of Brazoria )

On this 17<sup>th</sup> day of May, 2006, personally appeared before me,

**Dennis W. Jewell**

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.

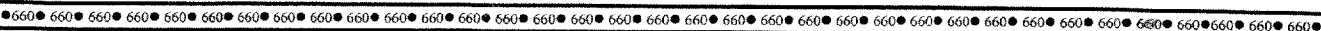
Notary Public







This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.



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.**  
**2040 Dow Center**  
**Midland, Michigan 48674**  
**UNITED STATES OF AMERICA**

hereby accept the ASSIGNMENT attached hereto which is dated: **May 10, 2006; May 16, 2006; May 17, 2006; June 2, 2006; June 5, 2006**

From, the ASSIGNOR: Max M. Tirtowidjojo, 110 Rosewood, Lake Jackson, Texas 77566, UNITED STATES OF AMERICA, Citizen of United States of America; Barry B. Fish, 71 Rosewood Street, Lake Jackson, Texas 77566, UNITED STATES OF AMERICA, Citizen of United States of America; Dennis W. Jewell, 209 Coleman Drive, Angleton, Texas 77515, UNITED STATES OF AMERICA, Citizen of United States of America; Mark D. Bearden, 118 Clover Street, Lake Jackson, Texas 77566, UNITED STATES OF AMERICA, Citizen of United States of America; John G. Pendergast, Jr., 60 Parsley Court, Lake Jackson, Texas 77566, UNITED STATES OF AMERICA, Citizen of United States of America; Jon H. Siddall, 3308 Hubbard Road, Midland, Michigan 48640, UNITED STATES OF AMERICA, Citizen of United States of America; Brien A. Stears, 5227 Pilgrim Oaks Lane, League City, Texas 77573, UNITED STATES OF AMERICA, Citizen of United States of America; Haivan D. Tran, 3103 East Cedar Hollow Drive, Pearland, Texas 77584, UNITED STATES OF AMERICA, Citizen of United States of America; and Richard M. Wehmeyer, 205 Zinnia Street, Lake Jackson, Texas 77566, UNITED STATES OF AMERICA, Citizen of United States of America of the invention entitled:

**MIXED ALCOHOL SYNTHESIS WITH ENHANCED CARBON VALUE USE**

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 5th day of December, 20 08



**DOW GLOBAL TECHNOLOGIES INC.**

By: *John B. Treangen*  
**JOHN B. TREANGEN**  
Authorized Representative

## NOTARIAL CERTIFICATE (Corporation)

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

On this 5th day of December, 2008, personally appeared before me, **JOHN B. TREANGEN, Authorized Representative**, 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 **August 30, 2007**, is based on

**A delegation of signature authority 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

*Rebecca Sue Hollingshead*  
NOTARY PUBLIC

*Rebecca Sue Hollingshead*  
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN

**PATENT**



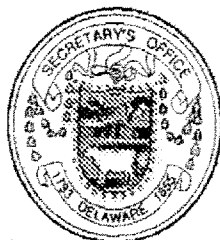
# Delaware

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](http://corp.delaware.gov/authver.shtml)

  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 8457755

DATE: 12-29-10

**PATENT**  
**REEL: 027493 FRAME: 0109**

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 23<sup>rd</sup> day of December, 2010.

Noreen D. Warrick  
Noreen D. Warrick  
Authorized Representative

# Delaware

PAGE 1

*The First State*

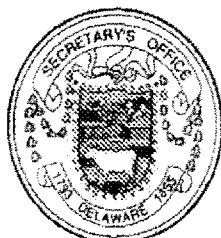
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "DOW GLOBAL TECHNOLOGIES INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "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](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 8457755

DATE: 12-29-10

PATENT  
REEL: 027493 FRAME: 0111

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 23<sup>rd</sup> day of December, 2010.

Dow Global Technologies Inc.

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