PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Steven D. Jons	09/10/2010

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:	12903254	

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:	68511
NAME OF SUBMITTER:	Pattie Kipfmiller

Total Attachments: 7

source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page1.tif source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page2.tif source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page3.tif source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page4.tif source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page5.tif source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page6.tif source=68511 US NP 20110325 EWB Inventor to DGTL Assignment#page7.tif

PATENT REEL: 026022 FRAME: 0042 H \$40 00 12903

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

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: METHOD OF TESTING SPIRAL WOUND MODULES BY THERMAL IMAGING

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:

Dow Global Technologies Inc. § 2040 Dow Center Midland, Michigan 48674 United States of America

a corporation organized and existing under the laws of the State 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 payn 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

tunnament .	Priority Number	Filing Date	Filing Country
- 1	61/294,207	January 12, 2010	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: Hennepin County, Minnesota, USA	At:
this	this day of , 20
Effective as of January 12, 2010	
1 10 1	
Signature:	Signature:
Full Name: Steven D. Jons	Full Name:
Residence: 6783 Boyd Avenue	Residence:
Eden Prairie, Minnesota 55346	
Country: United States of America	Country:
Citizenship: United States of America	Citizenship:
P.O. Address: Same as Residence	P.O. Address:
Employed By: The Dow Chemical Company	Employed By:
Of Country: United States of America	Of Country:
IA1·	I Δ t·
At:	At:this day of 20
At: day of, 20	At:
this day of, 20	this, 20
this day of , 20	this day of, 20
this day of , 20 Signature: Full Name:	this day of, 20
this day of, 20	this day of, 20
this day of, 20 Signature: Full Name: Residence: Country: Citizenship:	this day of , 20 Signature: Full Name: Residence: Country: Citizenship:
this day of, 20 Signature: Full Name: Residence: Country: Citizenship: P.O. Address:	this day of , 20 Signature: Full Name: Residence: Country: Citizenship: P.O. Address:
this day of, 20 Signature: Full Name: Residence: Country: Citizenship:	this day of , 20 Signature: Full Name: Residence: Country: Citizenship:

() Additional names and signatures are attached.

ssignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date

) SS

FORM 220

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA STATE OF MINNESOTA

County/Parish of Hennepin

On this 10 day of

Steven D. Jons, personally appeared before me,

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.

DOROTHY S. BOOGREN Notary Public State of Minnesota My Commission Expires January 31, 2015

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: September 10, 2010

From, the ASSIGNOR: Steven D. Jons, 6783 Boyd Avenue, Eden Prairie, Minnesota 55346, United States of America, Citizen of United States of America

of the invention entitled:

METHOD OF TESTING SPIRAL WOUND MODULES BY THERMAL IMAGING

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 a	at	Midland	1, Michigan 486'	74, USA			
this	4	day of _	October		, 20 <u>f.O</u>	·····	
	CORP SEAL		By:	OMN B. TRI	EANGEN	IES INC.	

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)
On this 4 day of October, 20 10, 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 documen
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 July 31, 2009, is based on

A delegation of signature authority of said Corporation

which I have seen, appointing the said individual Authorized Representative 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.

Kathy Sue Wertz

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

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

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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 <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.

Noreen D. Warrick

Authorized Representative

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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

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 Delawate.
- The jurisdiction immediately prior to filing this Certificate is Delaware.
- The date the Corporation was first formed is April 6, 1993.
- 4. The name of the Corporation immediately prior to filling 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 23th day of December, 2010.

Dow Global Technologies Inc.

Name: Noreen D. Warrick

Title: Secretary

PATENT REEL: 026022 FRAME: 0049

RECORDED: 03/25/2011