

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kandathil Eapen Verghese	07/24/2008
Ha Q. Pham	02/07/2008
George Jacob	01/28/2008
Marvin L. Dettloff	01/30/2008
RECEIVING PARTY DATA	
Name:	Dow Global Technologies Inc.
Street Address:	2040 Dow Center
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12668777
CORRESPONDENCE DATA	
Fax Number:	(989)636-3237
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	989-636-0960
Email:	pkipfmiller@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:	65648A
NAME OF SUBMITTER:	Pattie Kipfmiller
Total Attachments: 6	

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**PATENT
 REEL: 024449 FRAME: 0235**

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



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: **AMPHIPHILIC BLOCK COPOLYMERS AND INORGANIC NANOFILLERS TO ENHANCE PERFORMANCE OF THERMOSETTING POLYMERS**

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 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 Priority Number, Filing Date, and Filing Country

Priority Number 60/962,994	Filing Date August 2, 2007	Filing Country United States of America
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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 Number, Filing Date, and Filing Country

Application Number 12/668,777	Filing Date January 12, 2010	Filing Country United States of America
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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: _____
this _____ day of _____, 20____
Effective as of, August 2, 2007~~

~~Signature: _____
Full Name: Nikhil E. Verghese
Residence: 4131 Gotwick Drive
Lake Orion, Michigan 48359
Country: United States of America
Citizenship: India
P.O. Address: Same as residence
Employed By: The Dow Chemical Company
Of Country: United States of America~~

At: Freeport, Texas 77541, USA
this 7th day of February, 20 08
Effective as of, August 2, 2007

Signature: Ha Q. Pham
Full Name: Ha Q. Pham
Residence: 322 Timbercreek
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: Freeport, Texas 77541, USA
this 28 day of JAN, 20 08
Effective as of, August 2, 2007

Signature: George Jacob
Full Name: George Jacob
Residence: 504 Highway 332, Apt 823
Lake Jackson, Texas 77566
Country: United States of America
Citizenship: India
P.O. Address: Same as residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: Freeport, Texas 77541, USA
this 30 day of January, 20 08
Effective as of, August 2, 2007

Signature: Marvin L. Dettloff
Full Name: Marvin L. Dettloff
Residence: 205 Basswood
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

() Additional names and signatures are attached.

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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: **AMPHIPHILIC BLOCK COPOLYMERS AND INORGANIC NANOFILLERS TO ENHANCE PERFORMANCE OF THERMOSETTING POLYMERS**

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 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 Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
60/962,994	August 2, 2007	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 Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country
12/668,777	January 12, 2010	United States of America

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>Auburn Hills</u> this <u>24th</u> day of <u>July</u> , 20 <u>08</u>
Signature: <u>[Signature]</u> Full Name: Kandathil Eapen Verghese Residence: 4131 Gotwick Drive Lake Orion, Michigan 48359 Country: United States of America Citizenship: India 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: _____

() Additional names and signatures are attached.

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

[Barcode area with repeating numbers 220]

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

FORM 220

NOTARIAL CERTIFICATE (Individual)

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

On this 24th day of July, 2008, personally appeared before me,
Kandathil Eapen Verghese

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.

SEAL

Chevelle F. Simpson

CHEVELLE F. SIMPSON
NOTARY PUBLIC, STATE OF MI
COUNTY OF OAKLAND
MY COMMISSION EXPIRES Feb 22, 2014
ACTING IN COUNTY OF Oakland

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



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

FORM 220

NOTARIAL CERTIFICATE (Individual)

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

On this _____ day of _____, 20____, personally appeared before me,
Nikhil E. Vergheese
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.

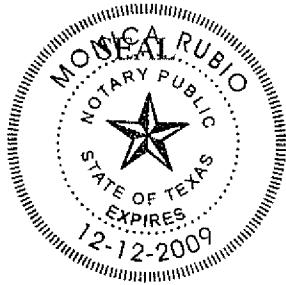
SEAL

NOTARIAL CERTIFICATE (Individual)

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

On this 7th day of February, 2008, personally appeared before me,
Ha Q. Pham

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.



Monica Rubio

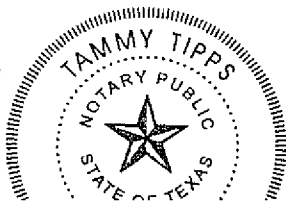
NOTARIAL CERTIFICATE (Individual)

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

On this 28 day of January, 2008, personally appeared before me,
George Jacob

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.

SEAL



Tammy Tipps

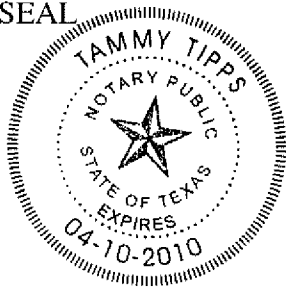
NOTARIAL CERTIFICATE (Individual)

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

On this 30 day of January, 2008, personally appeared before me,
Marvin L. Dettloff

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.

SEAL



Tammy Tipps

TLA

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: **January 28, 2008, January 30, 2008, February 7, 2008 and July 24, 2008**

From, the ASSIGNOR: Nikhil E. Verghese, 4131 Gotwick Drive, Lake Orion, Michigan 48359, United States of America, Citizen of India; Ha Q. Pham, 322 Timbercreek Drive, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; George Jacob, 504 Highway 332, Apt 823, Lake Jackson, Texas 77566, United States of America, Citizen of India; and Marvin L. Dettloff, 205 Basswood, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America

of the invention entitled:

AMPHIPHILIC BLOCK COPOLYMERS AND INORGANIC NANOFILLERS TO ENHANCE PERFORMANCE OF THERMOSETTING POLYMERS

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 6 day of February, 2010

CORP.
SEAL

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 6 day of February, 2010, 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 **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
SEAL

PATENT