## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4282029

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RANDY E. PEPPER	03/30/2009
MRIDULA KAPUR	03/02/2009
EDWARD N KNICKERBOCKER	07/24/2009
NATHAN J WILKER	03/11/2009
WILLIAM J MICHIE JR	03/09/2009
MARK B DAVIS	03/11/2009

#### **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:	12739511

### **CORRESPONDENCE DATA**

Fax Number: (979)238-7055

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

9792381647 Phone:

Email: lkperkins@dow.com **Correspondent Name:** LAUREN PERKINS

Address Line 1: 2301 NORTH BRAZOSPORT BOULEVARD

Address Line 4: FREEPORT, TEXAS 77541

ATTORNEY DOCKET NUMBER:	66440-US-PCT
NAME OF SUBMITTER:	LAUREN PERKINS
SIGNATURE:	/Lauren Perkins/
DATE SIGNED:	02/20/2017

**Total Attachments: 9** 



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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/D

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: TEXTILE FIBER FROM HDPE FOR SOFT WOVEN FABRICS

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
61/079,453	July 10, 2008	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 County

Application Number	Filing Date	Filing 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: Freeport, Texas 77541, USA	At: Freeport, Texas 77541, USA
his <u>30th</u> day of <u>March</u> . 20 <u>09</u>	this 2 day of Yard , 20
Effective as of July 10, 2008.	Effective as of July 10, 2008.
Signature: Tank Sylvanie: Randy E. Papper	Signature: Mridula (Babli) Kapur
Residence: 101 Zinnia Street	Residence: 235 Dewberry Drive
Lake Jackson, Texas 77566	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as residence	P.O. Address: Same as residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At: Freeport, Texas 77541, USA	At: Freeport, Texas 77541, USA
his $24 \pm 0$ day of $0$ $0$ $0$ $0$ $0$	this, 20

	At: Freeport, Texas 77541, USA
	this 24 th day of Onley .2009
	Effective as of July 10, 2008. J
	Signature: There N Knickelah
	Full Name: Edward N. Knickerbocker
	Pun Name. Edward N. Kinekerbocker
	Residence: 217 Dogwood
1	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

this day of , 20

Effective as of July 10, 2008.

Signature:
Full Name: Nathan J. Wiker
Residence: 2135 West Main Street
Houston, Texas 77098

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

(X) Additional names and signatures are attached.

Of Country: United States of America

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

Assignment 110 is in the ENGLISH language and has the same meaning in other l

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: TEXTILE FIBER FROM HDPE FOR SOFT WOVEN FABRICS

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
61/079,453	July 10, 2008	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 County

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Application Number	Filing Date	
Application Number	Filing Date	Filing Country
		1 mig Country
1		

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:

At: Freeport, Texas 77541, USA	At: Freeport, Texas 77541, USA
this day of .20	this day of . 20
Effective as of July 10, 2008.	Effective as of July 10, 2008.
	10, 2000.
Signature:	Signature:
Full Name: Randy E. Pepper	Full Name: Mridula (Babli) Kapur
Residence: 101 Zinnia Street	Residence: 235 Dewberry Drive
Lake Jackson, Texas 77566	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as residence	P.O. Address: Same as residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At: Freeport Texas 77541 USA	Houston, Texas 77098
	At: Freeport, Texas 77541, USA
, 20	this
Effective as of July 10, 2008.	Effective as of July 10, 2008
Signature:	A HA TON
	Signature: May.
Full Name: Edward N. Knickerbocker	Full Name: Nathan J. Wiker
Residence: 217 Dogwood Lake Jackson, Texas 77566	Residence: 2135 West Main Street
Country: United States of America	Houston, Texas 77098
Citizenship: United States of America	Country: United States of America
P.O. Address: Same as residence	Citizenship: United States of America
Employed By: The Dow Chemical Company	P.O. Address: Same as residence
Of Country: United States of America	Employed By: The Dow Chemical Company
onal names and signatures are attached	Of Country: United States of America

(X) Addi

CASE NO. 66440 US

At: Freeport Texas 77541 USA	
At: Freeport, Texas 77541, USA this 992 day of 972 day of 972 day	At: Freeport, Texas 77541, USA
Effective as of July 10, 2008.	this day of , 20
	Effective as of July 10, 2008.
Signature: Tullium Micha)	
Full Name: William J. Michie, Jr.	Full Name: Mark B. Davis
Residence: 9111 South Fitzgerald Way	Residence: 104 Rosemary Lane
Missouri City, Texas 77459	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as residence	P.O. Address: Same as residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At:	
this day of, 20	At:
day of, 20	this day of, 20
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
Country:	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address;
Employed By:	Employed By:
Of Country:	Of Country:
At:	
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Signature:	Give 4
Full Name:	Signature: Full Name:
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Citizenship:	Citizenship:
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Employed By:	Employed By:
Of Country:	Of Country:
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ruii Name: Residence:	Full Name:
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Employed By:	Employed By:
Of Country:	Of Country:
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Signature:	Signature:
full Name:	Full Name:
Residence:	Residence:
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Country:	Country:
Citizenship:	Citizenship:
O. Address:	P.O. Address:
Employed By: Of Country:	Employed By:
A COUNTY.	Of Country:

At: Freeport, Texas 77541, USA	At: Freeport, Texas 77541, USA
this day of , 20	
Effective as of July 10, 2008.	Effective as of July 10, 2008.
Effective as of sury 10, 2000.	Effective as of July 10, 2009.
	II. MIL ALLON
Signature:	Signature: Land Hand
Full Name: William J. Michie, Jr.	Full Name: Mark B. Davis
Residence: 9111 South Fitzgerald Way	Residence: 104 Rosemary Lane
Missouri City, Texas 77459	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as residence	P.O. Address: Same as residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
Of Country, Office States of Affice tea	Of Country: United States of America
<b>-</b>	
At:	At:
this day of, 20	this day of, 20
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Signature:	Cianatura
Full Name:	Signature:
	Full Name:
Residence:	Residence:
Country:	Country:
Citizenship:	Citizenship:
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Employed By:	Employed By:
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At:	
	At:
this, 20,	this, 20
Signature:	Signature:
Full Name:	Full Name:
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Signature:	Signature:
Full Name:	Full Name:
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Country:	
	Country:
Citizenship:	Citizenship:
P.O. Address:	P.O. Address:
Employed By:	Employed By:
Of Country:	Of Country:

Notary Public, State of Texas My Commission Expires August 10, 2011

FORM 220

## NOTARIAL CERTIFICATE (Individual)

(Marviada)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS
STATE OF TEXAS ) SS County/Parish of Brazoria )
On this <u>30</u> day of <u>March</u> , 20 <u>09</u> , 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.
SEAL JAMES TO THE STATE OF TEXTS OF TEX
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )
On this 2 day of, 20_09, personally appeared before me,
Mridula (Babli) Kapur 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 JOS OF LEAF OF LAND ON THE OF L
NOTARIAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )
On this 244 day of, 2009, personally appeared before me, Edward N. Knickerbocker
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 DARLENE PATTON January Containe Catton

## NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA STATE OF TEXAS  County/Parish of Brazoria  On this day of	) SS S)
On this day of MA	20 09, personally appeared before me,
known or identified to me to be the i and acknowledged the same as a free	Nathan J. Wiker individual described in and who executed the foregoing document e act and deed for uses and purposes therein expressed.
TIFFANY WHEELER My Commission Expires July 7, 2012	Juffany Whele
NOTAR	IAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF TEXAS County/Parish of Brazoria	) ) SS )
On this day of	, 20, personally appeared before me,
	William J. Michie, Jr.  ndividual described in and who executed the foregoing document eact and deed for uses and purposes therein expressed.
SEAL	
NOTARI	IAL CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF TEXAS County/Parish of Brazoria	) ) SS )
On this day of	, 20, personally appeared before me,
	Mark B. Davis adividual described in and who executed the foregoing document act and deed for uses and purposes therein expressed.
SEAL	

# NOTARIAL CERTIFICATE (Individual)

UNITED S STATE OF County/Par	TATES OF AMERIO TEXAS ish of Brazoria	CA ) ) SS )		
On this	day of		, 20	, personally appeared before me
known or id	lentified to me to be t	he individual desc	ribed in and wh	, personally appeared before me to executed the foregoing document poses therein expressed.
SEAL	,			
	NOTA	ARIAL CERTI	FICATE (In	dividual)
UNITED ST STATE OF County/Pari	TATES OF AMERIC TEXAS sh of Brazoria	CA ) ) SS )		, personally appeared before me,
On this $\underline{9}$	day of Muse	ch	, 20 0 9	, personally appeared before me.
known or ide and acknowl	entified to me to be the edged the same as a f	e individual descr ree act and deed f	ibed in and who	o executed the foregoing document poses therein expressed.
SEAN N Notan STATE (	IGUYEN by Public DF TEXAS Exp. 07-14-10	Nguyn	(ullian)	Michief.
		RIAL CERTI		
STATE OF T	ATES OF AMERIC. FEXAS h of Brazoria	A ) ) SS )		
On this	day of		, 20	_, personally appeared before me,
known or ide	ntified to me to be the	Mark B. individual descri	. Davis bed in and who	executed the foregoing document oses therein expressed.
		*******		

## NOTARIAL CERTIFICATE (Individual)

	ATES OF AMERICA EXAS n of Brazoria	)	SS			
On this	day of			nan J. \		, personally appeared before me,
			idual d	escribe	d in and w	ho executed the foregoing document urposes therein expressed.
SEAL						
	NOTARI	[AL	. CER	RTIFI(	CATE (I	ndividual)
STATE OF TH	TES OF AMERICA EXAS of Brazoria	)	SS			
On this	_ day of					, personally appeared before me,
		ıdiv	idual de	escribe		no executed the foregoing document rposes therein expressed.
SEAL						
	NOTARI	AL	CER	TIFIC	CATE (In	ndividual)
UNITED STA' STATE OF TE County/Parish		);	SS			^
On this	day of	<u> </u>	<u>Ch</u> Mar	k B. Da	, 20 <u>_</u> 0 vis	, personally appeared before me,
known or identi and acknowleds	ified to me to be the ineged the same as a free a	divi act a	dual de	scribec	l in and wh	o executed the foregoing document poses therein expressed.
SEAL	ged the same as a free a				2am	my Jupp

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: March 2, 2009; March 9, 2009; March 11, 2009; March 30, 2009; July 24, 2009; effective as of July 10, 2008

From, the ASSIGNOR: Randy E. Pepper, 101 Zinnia Street, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; Mark B. Davis, 104 Rosemary Lane, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; William J. Michie, Jr., 9111 South Fitzgerald Way, Missouri City, Texas 77459, United States of America, Citizen of United States of America; Mridula Kapur, 235 Dewberry Drive, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; Edward N. Knickerbocker, 217 Dogwood, Lake Jackson, Texas 77566, United States of America, Citizen of United States of America; and Nathan J. Wiker, 2135 West Main Street, Houston, Texas 77098, United States of America, Citizen of United States of America

of the invention entitled:

#### TEXTILE FIBER FROM HDPE FOR SOFT WOVEN FABRICS

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 H day of August, 2009
DOW GLOBAL TECHNOLOGIES INC.  By:  JOHN B. TREANGEN  Authorized Representative
NOTARIAL CERTIFICATE (Corporation)
UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )
On this day of
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, MICHIGAN MY COMMISSION EXPIRES AFRANT ENT

REEL: 041300 FRAME: 0365

RECORDED: 02/20/2017