504563478 09/25/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4610189

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAJEN M PATEL	08/17/2005
WENBIN LIANG	08/17/2005
KENNETH B STEWART	10/11/2005

RECEIVING PARTY DATA

Name:	DOW GLOBAL TECHNOLOGIES INC.	
Street Address:	WASHINGTON STREET	
Internal Address:	1790 BUILDING	
City:	MIDLAND	
State/Country:	MICHIGAN	
Postal Code:	48674	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11578646

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: 230 ABNER JACKSON

Address Line 4: LAKE JACKSON, TEXAS 77566

ATTORNEY DOCKET NUMBER:	63336A-US-PCT
NAME OF SUBMITTER:	LAUREN PERKINS
SIGNATURE:	/Lauren Perkins/
DATE SIGNED:	09/25/2017

Total Attachments: 4

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> **PATENT** REEL: 043683 FRAME: 0453 504563478

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PATENT REEL: 043683 FRAME: 0454 FORM 110 (R 5/97)

Docket Ref. 63336

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:

IMPROVED FIBERS FOR POLYETHYLENE NONWOVEN FABRIC

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

v	aluable considerat	ion and/or the remuneration received for my	our work from my/our employer, I/we sell, assign and transfer unto:
		DOW GLOBAL TEG	CHNOLOGIES INC.
		Washington Street	
		1790 Building	
		Midland, Michigan 4	8674
		United States of Ame	
а	corporation organ		te of DELAWARE, U.S.A. (hereinafter referred to as the "Assignee"
n ii n ri d <i>A</i> <i>ii</i> o ii	ny/our entire right, ncluding provision cominee(s)); and al ights to claim prio to hereby authorized application No. 6 in country the Uni- f the application, an envention in any an	title and interest throughout the world, in an all applications when permitted by law, for L I rights and powers to file any corresponding rights and powers to file any corresponding the Assignee or its designee to insert here the 0/567,400 ted States of America on which the claim for priority will be based all countries. I/we do hereby agree to assis	and to the invention and all rights and powers to make applications, etters Patent in its own name, or in the name of its designee (or gor equivalent applications in any and all countries, including all atternational Convention(s) and Treaties in the name of Assignee, and Filing Date April 30, 2004 and in and to any Letters Patent that may be issued for the st Assignee in the prosecution of the application(s) and in any
11	nterference, confli	ct, opposition or litigation which may arise in	nvolving the invention or the patent or patents thereon, and to
e:	xecute for any and	all countries any document relating to appli	cations derived from, corresponding to or equivalent to the above
10	dentified application	on as Assignee may request; and I/we do her	eby authorize Assignee or its designee (or nominee(s)) to insert here
	ny corresponding		_
	pplication No	Filing	Date
11	n country		
<u> 10</u>	or recorded of this	Aggingment Thus outhoning Agginger an its	untry's patent property must be identified and entered hereinabove designee to translate this Assignment into all languages necessary;
21	nd we request that	any such Letters Patent be issued to Assignee	designee to translate this Assignment into all languages necessary; be; and consent to the recordal of this Assignment, or a Notarial True
Č	Copy thereof, being	under coverant not only that I/we have full	power to make the same, but also that such assigned rights are not
e	ncumbered by any	grant, license, or other right heretofore give	n
	and Declared by me		
	At: Freenort, 7	Texas 77541, USA	At: Freeport, Texas 77541, USA
	this 17 day	of August , 2005	this 17th day of
	Effective as of A		Effective as of April 30, 2004
	Effective as of 7	· 🖒 .	Effective as of April 30, 2004
	Signature:	Rajeunta	Signature: Calondo Lang
	Full Name:	Rajen M. Patel	
	Residence:	114 Scarlet Oak]
	Residence.		Residence: 6319 Aspen Cove Court
	Countrie	Lake Jackson, Texas 77566 United States of America	Sugar Land, Texas 77479
	Country: Citizenship:		Country: United States of America
		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 Sates of America	Of Country: United States of America
	At: Freeport, 7	Texas 77541, USA	At:
	this day	of, 20	this day of
	Effective as of A	April 30, 2004	
	Signature:		Signature:
	Full Name:	Kenneth B. Stewart	Full Name:
	Residence:	107 Marigold Street	Residence:
	l	Lake Jackson, Texas 77566	11
	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:
	<u> </u>		
/ X A 1492			

^() Additional names and signatures are attached.

This Assignment 222 is in the ENGLISH tanguage and has the same meaning in other tanguages with the same 222 number and R/Date

FORM 222

Docket Ref. 63336

NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this 17th day of Pugust, 2005, personally appeared before me,
Rajen M. Patel 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. Magaret F. Granding Public Notary Public Expires
EXPIRE 01 NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)
On this 11th day of August, 2005, personally appeared before me,
Wenbin Liang 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 the regimes pressed.
Durant J. Hune Notary Public Expires
NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria
On this day of, 20, personally appeared before me,
Kenneth B. Stewart 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 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)

Docket Ref. 63336

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:

IMPROVED FIBERS FOR POLYETHYLENE NONWOVEN FABRIC

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

nominee(s)); and all rights and powers to file any co			
rights to claim priority under all United States dome	estic laws, International Conv	vention(s) and Treaties in the name of Assignee, and	l
do hereby authorize Assignee or its designee to inse	ert here the	- ·	
Application No. 60/567,400	Filing Date	April 30, 2004	
in country the United States of America	_	·	
of the application, on which the claim for priority w	vill be based; and in and to an	ny Letters Patent that may be issued for the	
invention in any and all countries. I/we do hereby a	agree to assist Assignee in the	prosecution of the application(s) and in any	
interference, conflict, opposition or litigation which			
execute for any and all countries any document rela	iting to applications derived fi	rom, corresponding to or equivalent to the above	
		ssignee or its designee (or nominee(s)) to insert here	,
any corresponding equivalent	·	0 0 0 0	
Application No	Filing Date		
in country			
to the above Priority application of any country wh	here that country's patent pro	operty must be identified and entered hereinabove	
for recordal of this Assignment. I/we authorize As	signee or its designee to trans	slate this Assignment into all languages necessary;	
and we request that any such Letters Patent be issue	ed to Assignee; and consent to	o the recordal of this Assignment, or a Notarial True	3
Copy thereof, being under covenant not only that I/s	we have full power to make th	he same, but also that such assigned rights are not	
encumbered by any grant, license, or other right her	retofore given.		

Subscribed and Declared by me/us:

and Declared by me us.			
At: Freeport, 7	At: Freeport, Texas 77541, USA		
	this day of, 20		
Effective as of A	Effective as of April 30, 2004		
Signature:			
Full Name:	Rajen M. Patel		
Residence:	114 Scarlet Oak		
	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 Sates of America		
At: Freeport, Texas 77541, USA			
this 11th day	of OCTOBER, 20 05		
Effective as of April 30, 2004			
1 1/1/2 / 1			
Signature:	my B mt		
Signature: Full Name:	Kenneth B. Stewart		
	Kenneth B. Stewart 107 Marigold Street		
Full Name:			
Full Name:	107 Marigold Street		
Full Name: Residence:	107 Marigold Street Lake Jackson, Texas 77566		
Full Name: Residence:	107 Marigold Street Lake Jackson, Texas 77566 United States of America United States of America		
Full Name: Residence: Country: Citizenship:	107 Marigold Street Lake Jackson, Texas 77566 United States of America United States of America		

At: Freeport, Texas 77541, USA			
	f	, 20	
Effective as of	April 30, 2004		
	•		
Signature:			
Full Name:	Wenbin Liang		
Residence:	6319 Aspen Cove Court		
	Sugar Land, Texas 77479		
Country:	United States of America		
Citizenship:	United States of America	i	
P. O. Address:	Same as Residence		
	The Dow Chemical Company		
Of Country:		i	
At:			
this day	of	, 20	
•			
		I	
Signature:			
Full Name:			
Residence:	•	l	
		i	
Country:			
Country.			
Citizenship:			
_			
Citizenship: P. O. Address:			
Citizenship:			

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

Docket Ref. 63336

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF TEXAS County/Parish of Brazoria)) SS)	
On this 11 day of Octo before me,	ber	, 20_OS, personally appeared

Kenneth B. Stewart

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

RECORDED: 09/25/2017

TERESA TEP My Commission Expires May 18, 2009

PATENT

REEL: 043683 FRAME: 0458