# 503687174 02/11/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3733811

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NAIYONG JING	09/08/2015
KEVIN M. HAMER	09/10/2015
JEFFREY A. PETERSON	09/02/2015
THOMAS J. BLONG	10/02/2015
TIMOTHY D. FLETCHER	09/02/2015
MICHAEL JUERGENS	09/14/2015
MARK W. MUGGLI	09/02/2015
GEZAHEGN D. DAMTE	09/02/2015

### **RECEIVING PARTY DATA**

Name:	3M INNOVATIVE PROPERTIES COMPANY
Street Address:	P.O. BOX 33427
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14911358

#### **CORRESPONDENCE DATA**

**Fax Number:** (651)736-3833

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.

**Email:** amveenendaal@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	74395US004
NAME OF SUBMITTER:	AMBER VEENENDAAL
SIGNATURE:	/Amber Veenendaal/
DATE SIGNED:	02/11/2016

PATENT REEL: 037709 FRAME: 0921

503687174

# **Total Attachments: 8** source=Declaration Assignment executed 74395US004#page1.tif source=Declaration\_Assignment\_executed\_74395US004#page2.tif source=Declaration\_Assignment\_executed\_74395US004#page3.tif source=Declaration\_Assignment\_executed\_74395US004#page4.tif source=Declaration\_Assignment\_executed\_74395US004#page5.tif source=Declaration\_Assignment\_executed\_74395US004#page6.tif

source=Declaration\_Assignment\_executed\_74395US004#page7.tif source=Declaration\_Assignment\_executed\_74395US004#page8.tif

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

FLUOR	OPOLYMER COATINGS CON	IPRISING A	ZIRIDINE COMPOUNDS
	AND NON-FLUORII	NATED PO	LYMER
The specification of wh	ich:		
is attached hereto	X.		
was filed on as United States	Application No.		
is identified as PC filed on	T International Application No. October 29, 2014		PCT/US2014/062771
The above-identified a	oplication was made or authorized to	be made by r	ne.
	that any willful false statement made not more than 5 years, or both.	in this declara	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a assigns, the entire righ continuation (in whole by me or made jointly vermination of, my empall Letters Patent, reex thereto (including the rown name and to claim international conventio continuation (in whole part upon the said invehave been by me had	and transfer unto the 3M INNOVATIVe corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and inwith others (provided any such improvious propert with 3M COMPANY and an aminations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not beet	/E PROPERT or incipal office I invention and and to any an ovement is mady of its existing thereof, of the polications to been or male issue, or other held and enjor made;	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or d all improvements in the said invention made de during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign ventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, er or further application based in whole or in oyed as fully and exclusively as they would
consideration any furth	er applications, assignments, and do ecessary by said Company, its succe	ocuments, and essors, assign	ors, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
I do hereby authorize a granted upon any of th title, and interest there	e said applications, to said 3M Innov	tents to issue : rative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Legal Name of Invent	or:	***************************************	
Naiyong Jing			
Inventor's Signature:		Date:	
N. Alex	in Thinh	*	9/01/2011

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

FLUOROPOLYMER COATINGS COMPRISING	
AND NON-FLUORINATED P	OLYMER
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No.  filed on October 29, 2014	PCT/US2014/062771
The above-identified application was made or authorized to be made b	y me.
I hereby acknowledge that any willful false statement made in this decl fine or imprisonment of not more than 5 years, or both.	aration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is ack and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention a continuation (in whole or in part) of said application, and in and to any aby me or made jointly with others (provided any such improvement is not termination of, my employment with 3M COMPANY and any of its exist all Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or own name and to claim any priority rights for such foreign applications international conventions, treaties, or otherwise), which have been or no continuation (in whole or in part), renewal, reexamination, reissue, or opart upon the said invention or improvements thereon, to be held and chave been by me had this assignment and transfer not been made;	RTIES COMPANY, a wholly-owned subsidiary of ce at Saint Paul, Minnesota, its successors and and application, and in and to any division or and all improvements in the said invention made nade during, or within one year after the ting or future subsidiaries), and in and to any and ne United States of America and countries foreign Inventors' Certificates in foreign countries in its to which such applications are entitled under may be granted thereon or on any divisional, ther or further application based in whole or in
I do further agree for myself and for my heirs, executors, and administr consideration any further applications, assignments, and documents, a that may be deemed necessary by said Company, its successors, assi and interest as aforesaid and to obtain or maintain Letters Patent, Utilit countries; and	and to perform such other acts as I lawfully may, gns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issugranted upon any of the said applications, to said 3M Innovative Propetitle, and interest therein.	
Legal Name of Inventor:	
Kevin M. Hamer	
Inventor's Signature: Date:	
Kin M. Hamen Sey	x 10, 2015

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

FLUOR	OPOLYMER COATINGS COM AND NON-FLUORI			,
The specification of w		MAILDIO	La 1 1013a.1 X	
is attached heret				
was filed on as United States	Application No.			
is identified as Po	CT International Application No. October 29, 2014		PCT/US2014/062771	
The above-identified a	application was made or authorized to	be made by r	ne.	
I hereby acknowledge fine or imprisonment of	that any willful false statement made of not more than 5 years, or both.	in this declara	ation is punishable under 18 U.S	S.C. 1001 by
and do hereby assign 3M COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my empall Letters Patent, reex thereto (including the rown name and to clair international convention continuation (in whole part upon the said invelopment upon the said invelopm	and valuable consideration, receipt of valuable consideration, receipt of valuable that the 3M INNOVATIVE corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvided any such improvided any such improvided any such improvided and to apply for Letters Patent, Utility in any priority rights for such foreign a construction, remember or in part), renewal, reexamination, restriction or improvements thereon, to be this assignment and transfer not been myself and for my heirs, executors, and detecessary by said Company, its successary and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and to obtain or maintain Letters Fatent in the said and the	/E PROPERTION of the principal office invention and and to any and vement is mady of its existing thereof, of the Models, or Inplications to been or may eissue, or other held and enjoy made; and administrate ocuments, and essors, assigns	ES COMPANY, a wholly-owne at Saint Paul, Minnesota, its surpplication, and in and to any of all improvements in the said in de during, or within one year after or future subsidiaries), and in United States of America and oventors' Certificates in foreign of which such applications are entered to be granted thereon or on any are or further application based in boyed as fully and exclusively as over, to execute and deliver without to perform such other acts as I is, and nominees, fully to secure	d subsidiary of accessors and division or envention made er the and to any and countries foreign countries in its titled under divisional, a whole or in they would but further lawfully may, a its right, title,
I do hereby authorize a granted upon any of the title, and interest there	and request the Commissioner of Pat re said applications, to said 3M Innove in.	ents to issue a ative Propertic	any and all Letters Patent which is Company, as the assignee of	ı may be f the entire right,
Legal Name of Inven	tor:	***************************************		
Jeffrey A. Peters	on			
Inventor's Signature:	a felera	Date: 9/2	/2015	200000000000000000000000000000000000000

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

FLUOROPOLYME	R COATINGS COMPRI	SING AZIRIDINE COMPOUNDS
,	AND NON-FLUORINATI	D POLYMER
The specification of which:		
is attached hereto;		
☐ was filed on as United States Application N	O.	
is identified as PCT Internation filed on October 29		PCT/US2014/062771
The above-identified application wa	s made or authorized to be m	ade by me.
I hereby acknowledge that any willful fine or imprisonment of not more that		declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer to 3M COMPANY, and a corporation of assigns, the entire right, title, and in continuation (in whole or in part) of by me or made jointly with others (p termination of, my employment with all Letters Patent, reexaminations, r thereto (including the right to apply own name and to claim any priority international conventions, treaties, of continuation (in whole or in part), re	unto the 3M INNOVATIVE PR of Delaware, having its princip terest in and to the said inver- said application, and in and to provided any such improveme 3M COMPANY and any of its reissues, or extensions thereofor Letters Patent, Utility Mode rights for such foreign applicator otherwise), which have bee newal, reexamination, reissue ovements thereon, to be held	is acknowledged, I have agreed to assign and transfer OPERTIES COMPANY, a wholly-owned subsidiary of al office at Saint Paul, Minnesota, its successors and tion and application, and in and to any division or any and all improvements in the said invention made at its made during, or within one year after the existing or future subsidiaries), and in and to any and for the United States of America and countries foreignels, or Inventors' Certificates in foreign countries in its tions to which such applications are entitled under nor may be granted thereon or on any divisional, or other or further application based in whole or in and enjoyed as fully and exclusively as they would e;
consideration any further application that may be deemed necessary by	ns, assignments, and docume said Company, its successors	ninistrators, to execute and deliver without further nts, and to perform such other acts as I lawfully may, assigns, and nominees, fully to secure its right, title, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the granted upon any of the said application, and interest therein.	ne Commissioner of Patents t ations, to said 3M Innovative	o issue any and all Letters Patent which may be Properties Company, as the assignee of the entire right,
Legal Name of Inventor		
Thomas J. Blong		
Inventor's Signature:	Date	1/1/

Finally S. Folketick

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

# FLUOROPOLYMER COATINGS COMPRISING AZIRIDINE COMPOUNDS AND NON-FLUORINATED POLYMER The specification of which: is attached hereto: was filed on as United States Application No. is identified as PCT International Application No. PCT/US2014/062771 filed on October 29, 2014 The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both. In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made; I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein. Legal Name of Inventor. Timothy D. Fletcher Inventor's Signature: Date:

9/2/15

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

app	lication and for which a p	atent is sought on the invention entitle	d:	
	FLUOROPO	LYMER COATINGS COMPRIS AND NON-FLUORINATE		
		MIAD MOM-LEGORIMM I E	0 70	FISHEL
The	specification of which:			
	is attached hereto;			
	was filed on as United States Applic	ation No.		
$\boxtimes$	is identified as PCT Inte	rnational Application No. ober 29, 2014		PCT/US2014/062771
The	above-identified applicat	ion was made or authorized to be ma	de by r	ne.
		ny willful false statement made in this lore than 5 years, or both.	declara	ation is punishable under 18 U.S.C. 1001 by
and	do hereby assign and tra	insfer unto the 3M INNOVATIVE PRO	PERT	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and

In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made:

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor: Michael Juergens	
Inventor's Signature:	Date: 07/14/2015

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

# FLUOROPOLYMER COATINGS COMPRISING AZIRIDINE COMPOUNDS AND NON-FLUORINATED POLYMER The specification of which: is attached hereto; was filed on as United States Application No. is identified as PCT International Application No. FCT/US2014/062771 The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor:	
Mark W. Muggli	
Inventor's Şignature:	Date:
Mak W. Wagt	2 <sup>rd</sup> Sept 2015

Case No:

74395US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

FLUOROPOLYMER COATINGS COMPRISING AZIRIDINE COMPOUNDS

AND NON-FLUORINATED POLYMER	
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on October 29, 2014	PCT/US2014/062771

The above-identified application was made or authorized to be made by me.

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I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor:	
Gezahegn D. Damte	
Inventor's Signature:  Gotoff Defice	Date: 9/2/2015