503995617 09/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4042274

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
YIFAN ZHANG	05/12/2016	
ZACHARY J. MALMBERG	04/20/2016	
MILIND B. SABADE	09/06/2016	

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14014872

CORRESPONDENCE DATA

Fax Number: (651)736-7586

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.

Phone: 651-733-1500

Email: skweber@mmm.com

3M INNOVATIVE PROPERTIES COMPANY Correspondent Name:

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	70171US003
NAME OF SUBMITTER:	SHERRI K.W. JOHNSON
SIGNATURE:	/Sherri K.W. Johnson/
DATE SIGNED:	09/08/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

source=Decl-Assignment-70171US003-Zhang-Malmberg-Sabade#page1.tif source=Decl-Assignment-70171US003-Zhang-Malmberg-Sabade#page2.tif source=Decl-Assignment-70171US003-Zhang-Malmberg-Sabade#page3.tif

PATENT REEL: 039670 FRAME: 0970 503995617

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

70171US003

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:

A METHOD OF REMOVING AN UNWANTED CONSTITUENT FROM A SURFACE, A METHOD OF DETERMINING THE CLEANLINESS OF A HARD SURFACE, AND A MULTI-FUNCTIONAL COMPOSITION THAT INCLUDES HYDROPHILIC SILANE

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The	specification of wh	ich		
	is attached hereto	5		
	was filed on	August 30, 2013		
	as United States A	Application No.		14/014872
	is identified as PC filed on	T International Application No.		
The a	above-identified ap	oplication was made or authorized to	be made by r	ne.
in addination and continuous and continuous and Letthere continuous and Letthere continuous and Letthere continuous and contin	or imprisonment of dition, for good and do hereby assign a COMPANY, and a grow the entire right nuation (in whole dear made jointly whation of, my empetters Patent, reexiste (including the riname and to claim national convention nuation (in whole dupon the said investeen by me had to been by me had to the convention of the said investeen by me had the convention of the said investeen by me had the convention of the said investeen by me had the convention of the said investeen by me had the convention of the said investeen by me had the convention of the convention	inot more than 5 years, or both, and valuable consideration, receipt of valuable consideration, receipt of valuable corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and invith others (provided any such improvided any such improvided any such improvided any such improving to apply for Letters Patent, Utility and priority rights for such foreign and treaties, or otherwise), which have or in part), renewal, reexamination, notion or improvements thereon, to be this assignment and transfer not bee	which is acknown of PROPERT or incipal office invention and and to any and vement is made yet of its existing thereof, of the polications to be been or made; a held and enjounders.	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and I 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 foreig eventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, ar or further application based in whole or in oyed as fully and exclusively as they would
cons that i and i	ideration any furth may be deemed n	er applications, assignments, and do ecessary by said Company, its succe	ocuments, and essors, assign	ors, to execute and deliver without further I 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 al
gran	nereby authorize a ted upon any of th and interest therei	e said applications, to said 3M Innov	tents to issue rative Properti	any and all Letters Patent which may be as Company, as the assignee of the entire righ
Leg	al Name of Invent	or:		
Yif	an Zhang			
Inve	entor's Signature:		Date:	
			5	1/2/2016

PATENT REEL: 039670 FRAME: 0971

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

70171US003

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:

A METHOD OF REMOVING AN UNWANTED CONSTITUENT FROM A SURFACE, A METHOD OF DETERMINING THE CLEANLINESS OF A HARD SURFACE, AND A MULTI-FUNCTIONAL COMPOSITION THAT INCLUDES HYDROPHILIC SILANE

FUNC	TIONAL COMPOSITION THA	AT INCLUDE	ES HYDROPHILIC SILANE	
The specification of w	hich;			
is attached here	to;			
was filed on	August 30, 2013]	
as United States		-	14/014872	
is identified as P	CT International Application No.			
filed on]	
The above-identified	application was made or authorized	to be made by	y me.	
hereby acknowledge fine or imprisonment (e that any willful false statement ma of not more than 5 years, or both.	de in this decla	aration is punishable under 18 U.S.C.	. 1001 by
3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my em all Letters Patent, ree thereto (including the own name and to claim international conventionation (in whole part upon the said inv	a corporation of Delaware, having it ht, title, and interest in and to the se or in part) of said application, and with others (provided any such implications) with 3M COMPANY and xaminations, reissues, or extension right to apply for Letters Patent, Ut m any priority rights for such foreign ons, treaties, or otherwise), which here in part), renewal, reexamination	s principal office aid invention all in and to any a provement is many of its existing thereof, of the lity Models, or applications the ave been or many of the lity and element of the held and elements.	RTIES COMPANY, a wholly-owned so at Saint Paul, Minnesota, its succe and application, and in and to any division all improvements in the said invented during, or within one year after thing or future subsidiaries), and in and the United States of America and countine Inventors' Certificates in foreign courts which such applications are entitled that has be granted thereon or on any division or further application based in what injoyed as fully and exclusively as the	essors and sion or ntion made he I to any and atries foreign atries in its d under sional, nole or in
consideration any furt that may be deemed i	her applications, assignments, and necessary by said Company, its su	documents, ar cessors, assig	ators, to execute and deliver without f nd to perform such other acts as I law gns, and nominees, fully to secure its y Models, or Inventors' Certificates in	vfully may, right, title,
	ne said applications, to said 3M Inn		e any and all Letters Patent which ma ties Company, as the assignee of the	
Legal Name of Inver	tor:			
Zachary J. Malm				
Inventor's Signature:		Date:		
1			4-20-2016	

PATENT REEL: 039670 FRAME: 0972

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

RECORDED: 09/08/2016

Case No:

70171US003

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:

A METHOD OF REMOVING AN UNWANTED CONSTITUENT FROM A SURFACE, A METHOD OF DETERMINING THE CLEANLINESS OF A HARD SURFACE, AND A MULTI-FUNCTIONAL COMPOSITION THAT INCLUDES HYDROPHILIC SILANE

FUNCTIONAL COMPOSITION	N THAT INCLUDES HYDROPHILIC SILANE
The specification of which:	
is attached hereto;	
was filed on August 30, 2013 as United States Application No.	14/014872
is identified as PCT International Application filed on	No.
The above-identified application was made or auth	norized to be made by me.
I hereby acknowledge that any willful false statement of not more than 5 years, or be	ent made in this declaration is punishable under 18 U.S.C. 1001 by both.
and do hereby assign and transfer unto the 3M IN 3M COMPANY, and a corporation of Delaware, he assigns, the entire right, title, and interest in and to continuation (in whole or in part) of said applicatio by me or made jointly with others (provided any statemination of, my employment with 3M COMPAN all Letters Patent, reexaminations, reissues, or exthereto (including the right to apply for Letters Pate own name and to claim any priority rights for such international conventions, treaties, or otherwise), continuation (in whole or in part), renewal, reexam	eceipt of which is acknowledged, I have agreed to assign and transfer NOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of aving its principal office at Saint Paul, Minnesota, its successors and to the said invention and application, and in and to any division or in, and in and to any and all improvements in the said invention made such improvement is made during, or within one year after the IY and any of its existing or future subsidiaries), and in and to any and tensions thereof, of the United States of America and countries foreign ent, Utility Models, or Inventors' Certificates in foreign countries in its foreign applications to which such applications are entitled under which have been or may be granted thereon or on any divisional, hination, reissue, or other or further application based in whole or in reon, to be held and enjoyed as fully and exclusively as they would er not been made;
consideration any further applications, assignment hat may be deemed necessary by said Company	cutors, and administrators, to execute and deliver without further its, and documents, and to perform such other acts as I lawfully may, its successors, assigns, and nominees, fully to secure its right, title, in Letters Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissio granted upon any of the said applications, to said title, and interest therein.	ner of Patents to issue any and all Letters Patent which may be 3M Innovative Properties Company, as the assignee of the entire right
granden of the first of the fir	
Legal Name of Inventor: Milind B. Sabade	
Inventor's Signature:	Date:
Shap &	09/06/2016

PATENT REEL: 039670 FRAME: 0973