PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Cynthia A. TIMMERMAN	04/18/2013
Kayo M. ROEHM	04/26/2013
Monica S. ALEXANDER	05/07/2013
Lisa B. ADAMS	05/07/2013
Jon R. SHAPIRO	05/07/2013
Scott J. TUMAN	04/18/2013

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:	29437055

CORRESPONDENCE DATA

Fax Number: 6517363833

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 651-733-1500

Email: hhfroelke1@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: 71205US002

NAME OF SUBMITTER: Hylis H. Froelke

502337615 PATENT REEL: 030363 FRAME: 0027 29437055

00 0<u>7</u>7

Signature:	/Hylis H. Froelke/			
Date:	05/07/2013			
	This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 6 source=Declaration-Assignment_71205US0 source=Declaration-Assignment_71205US0 source=Declaration-Assignment_71205US0 source=Declaration-Assignment_71205US0 source=Declaration-Assignment_71205US0 source=Declaration-Assignment_71205US0	002#page2.tif 002#page3.tif 002#page4.tif 002#page5.tif			

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

Case No:

71205US002

	SURFACE	PATTERN
The specification of v		
is attached here	eto;	
		29/437055
as Office Office	5 Application (No.	20701000
is identified as f filed on	PCT International Application No.	
The above-identified	application was made or authorized	o be made by me.
	e that any willful false statement mad of not more than 5 years, or both.	e in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assig: 3M COMPANY, and assigns, the entire ri- continuation (in whole by me or made joint! termination of, my er all Letters Patent, re- thereto (including the own name and to cla- international conven- continuation (in whole part upon the said in	n and transfer unto the 3M INNOVAT a corporation of Delaware, having its ght, title, and interest in and to the sale or in part) of said application, and it y with others (provided any such impleyment with 3M COMPANY and a examinations, reissues, or extensions or right to apply for Letters Patent, Utiliaim any priority rights for such foreign tions, treaties, or otherwise), which have or in part), renewal, reexamination.	If which is acknowledged, I have agreed to assign and transfer IVE PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and id invention and application, and in and to any division or and to any and all improvements in the said invention made rovement is made during, or within one year after the my of its existing or future subsidiaries), and in and to any and a thereof, of the United States of America and countries foreign ty Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under ave been or may be granted thereon or on any divisional, reissue, or other or further application based in whole or in be held and enjoyed as fully and exclusively as they would sen made;
consideration any fu that may be deemed	rther applications, assignments, and one control in the control in	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, cessors, assigns, and nominees, fully to secure its right, title, a Patent, Utility Models, or Inventors' Certificates in any and all
	the said applications, to said 3M Inno	atents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inve Cynthia A. TIM		
Inventor's Signatur	8.	Date:
Canthi	ATUNIVAN	4/18/13

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

Case No:

71205US002

PAISH APPLICATION (5) CINY 1.0	*1	- 1	
As a below named inventor, I believe I am an ori application and for which a patent is sought on the		original joint inventor of a cl	aimed invention in the
SU	RFACE PATTER	N	
The specification of which:			
is attached hereto;			
was filed on November 13, 2012			**************************************
as United States Application No.	:	29/437055	
is identified as PCT International Application	No.		
The above-identified application was made or au	thorized to be made I	by me.	
I hereby acknowledge that any willful false staten fine or imprisonment of not more than 5 years, or in addition, for good and valuable consideration.	both.		
and do hereby assign and transfer unto the 3M If 3M COMPANY, and a corporation of Delaware, it assigns, the entire right, tille, and interest in and continuation (in whole or in part) of said applicable by me or made jointly with others (provided any stamination of, my employment with 3M COMPAI all Letters Patent, reexaminations, reissues, or exthereto (including the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right) and the right to apply for Letters Patent (including the right)	naving its principal off to the said invention a on, and in and to any such improvement is a NY and any of its exist extensions thereof, of a stent, Utility Models, of the foreign applications which have been or mination, reissue, or a preon, to be held and fer not been made;	fice at Saint Paul, Minnesoli and application, and in and nade during, or within one sting or future subsidiaries), the United States of Americ or Inventors' Certificates in factors to which such applications may be granted thereon or other or further application is enjoyed as fully and exclus	a, its successors and to any division or e said invention made year after the , and in and to any and to and countries foreign countries in its are entitled under on any divisional, based in whole or in sively as they would
I do further agree for myself and for my heirs, ex- consideration any further applications, assignme that may be deemed necessary by said Compan and interest as aforesaid and to obtain or mainta countries; and	nts, and documents, v. its success ors, as s	and to perform such other a signs, and nominees, fully to	acts as I lawfully may, o secure its right, title,
I do hereby authorize and request the Commissi- granted upon any of the said applications, to said title, and interest therein.	oner of Patents to iss i 3M Innovalive Prop	ue any and all Letters Pate erties Company, as the ass	nt which may be signee of the entire righ
Legal Name of Inventor: Kayo M. ROEHM			
Inventor's Signature:	Date:	126/2013	

FO	RATION AND ASSIGNMENT, R UTILITY OR DESIGN APPLICATION (37 CFR § 1.63)	Case No:	71205U\$002
As a below named i application and for v	nventor, I believe I am an original invent which a patent is sought on the invention	or or an original joint ir entitled:	nventor of a claimed invention in the
	SURFACE P	ATTERN	
The specification of	which:		
Is attached her	eto;		
was filed on as United State	November 13, 2012 as Application No.	29/4370	\$5
is identified as filed on	PCT International Application No.		
The above-identified	l application was made or authorized to b	e made by me.	
	ge that any willful false statement made in t of not more than 5 years, or both.	n this declaration is pur	nishable under 18 U.S.C. 1001 by
continuation (in who by me or made jointi termination of, my eight all Letters Patent, rethereto (including the own name and to claimternational convencentinuation (in who part upon the said in have been by me ha	ght, title, and interest in and to the said in ie or in part) of said application, and in an y with others (provided any such improve imployment with 3M COMPANY and any examinations, reissues, or extensions the a right to apply for Letters Patent, Utility It aim any priority rights for such foreign applicant, treaties, or otherwise), which have te or in part), renewal, reexamination, rein provention or improvements thereon, to be aid this assignment and transfer not been	nd to any and all impro- ament is made during, of its existing or future ereof, of the United Sta viodels, or inventors' Co plications to which such been or may be grants asue, or other or furthe held end enjoyed as ful made;	vements in the said invention made or within one year after the subsidiaries), and in and to any and ites of America and countries foreign entificates in foreign countries in its in applications are entitled under ed thereon or on any divisional, or application based in whole or in ily and exclusively as they would
consideration any futhat may be deemed	r myself and for my heirs, executors, and rther applications, assignments, and doc I necessary by said Company, its succes said and to obtain or maintain Letters Pa	uments, and to perform sors, assigns, and non	n such other acts as I lawfully may, ninees, fully to secure its right, title,
i do hereby authoriza granted upon any of title, and interest the	e and request the Commissioner of Pater the said applications, to said 3M innovat rein.	nts to issue any and all live Properties Compar	Letters Patent which may be ny, as the assignee of the entire right
Legal Name of Inve Monica S. ALS			
Inventor's Signatur	"Deparde	5.7.13	

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.83)	Case No:	71205US002
As a below named inventor, I believe I am an original inven application and for which a patent is sought on the invention		nventor of a claimed invention in the
SURFACE	PATTERN	
The specification of which:	27 - S	
is attached hereto;		
Was filed on November 13, 2012	-	
as United States Application No.	29/4370	55
In his selfant on DCT between front August a bi-	pieci-motabia	***************************************
ls Identified as PCT International Application No.	——————————————————————————————————————	
The above-identified application was made or authorized to t	os made by me.	
I hereby acknowledge that any willful false statement made if fine or imprisonment of not more than 5 years, or both.	n this declaration is pur	hishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIVE 3M COMPANY, and a corporation of Delaware, having its prissigns, the entire right, title, and interest in and to the said is continuation (in whole or in part) of said application, and in an by me or made jointly with others (provided any such improvitermination of, my employment with 3M COMPANY and any all Letters Patent, reexaminations, reissues, or extensions the thereto (including the right to apply for Letters Patent, Utility) own name and to claim any priority rights for such foreign applicational conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, reight upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	incipal office at Saint Provention and application of the second application of the second and application of the United Stationary of the United Stationary of the United Stationary of the Stationary of the Stationary of the Stationary of the Sainter or further or further their and enjoyed as full	aul, Minnesota, its successors and n, and in and to any division or verments in the sald invention made or within one year after the subsidiaries), and in and to any and tes of America and countries foreign entificates in foreign countries in its n applications are entitled under id thereon or on any divisional, r application based in whole or in
I do further agree for myself and for my hairs, executors, and consideration any further applications, assignments, and doc that may be deemed necessary by said Company, its succes and interest as aforeseld and to obtain or maintain Letters Pacountries; and	uments, and to parform sors, assigns, and nom	such other acts as I lawfully may, inness, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patei granted upon any of the said applications, to said 3M innovat title, and interest therein.	nts to lasue any and all live Properties Compan	Letters Patent which may be y, as the assignee of the entire right,
Legal Name of Inventor: Lisa B. ADAMS	•	***************************************

5.7-13

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DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)		Case No:	71205US002	
As a below named inv	entor, I believe I am an original inve ich a patent is sought on the inventio	ntor or an original joint in n entitled:	ventor of a claimed Invention in the	
		PATTERN		
The specification of wi	nich:			
is attached heret	o;			
was filled on	November 13, 2012		***************************************	
as United States	Application No.	29/43705	29/437055	
is identified as Po	CT International Application No.			
The above-identified a	application was made or authorized to	o be made by me.		
I hereby acknowledge fine or imprisonment of	that any willful false statement made of not more than 5 years, or both.	e in this declaration is pun	ishable under 18 U.S.C. 1001 by	
assigns, the entire rigit continuation (in whole by me or made jointly termination of, my em all Letters Patent, resulthereto (including the own name and to claim international conventional continuation (in whole part upon the said inwhave been by me had to further agree for roppidevation any furthereto.	corporation of Delaware, having its nt, title, and interest in and to the said or in part) of said application, and in with others (provided any such improper ployment with 3M COMPANY and askeminations, reissues, or extensions right to apply for Letters Patent, Utility many priority rights for such foreign ons, treatles, or otherwise), which have in part), renewal, reexamination, ention or improvements thereon, to this assignment and transfer not be myself and for my heirs, executors, a her applications, assignments, and desired in the said of the said	d invention and application and to any and all improvovement is made during, only of its existing or future to thereof, of the United Staty Models, or inventors' Capplications to which such ve been or may be grante reissue, or other or further held and enjoyed as full an made; and administrators, to exection or the performance or the performance.	n, and in and to any division or rements in the said invention made or within one year after the subsidiaries), and in and to any and tes of America and countries foreign entitleates in foreign countries in its applications are entitled under in thereon or on any divisional, rapplication based in whole or in ly and exclusively as they would cute and deliver without further such other acts as I lawfully may,	
that may be deemed and interest as afores countries; and	necessary by said Company, its succ eld and to obtain or maintain Letters	essors, assigns, and nom Patent, Utility Models, or	iinees, fully to secure its right, title, Inventors' Certificates in any and all	
i do hereby authorize granted upon any of ti title, and interest there	and request the Commissioner of Pa he said applications, to said 3M Inno ain.	atents to issue any and all vative Properties Compan	Letters Patent which may be y, as the assignee of the entire righ	
Legal Name of Inver Jon R. SHAPIRO				
Inventor's Signature	' 117	Date:		
1 Jan 1	Marie 10	05.07.13		

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

have been by me had this assignment and transfer not been made;

Case No:

71205US002

	SURFACE PATTE	RN
The specification of	which:	
is attached here	eto;	
was filed on	November 13, 2012	
as United State	s Application No.	29/437055
is identified as	PCT International Application No.	
filed on		
	ge that any willful false statement made in this of of not more than 8 years, or both.	teclaration is punishable under 18 U.S.C. 1001 by
and do hereby assig 3M COMPANY, and assigns, the entire ri continuation (in who by me or made joint	n and transfer unto the 3M INNOVATIVE PROI a corporation of Delaware, having its principal ght, title, and interest in and to the said invention to or in part) of said application, and in and to a by with others (provided any such improvement	acknowledged, I have agreed to assign and transfer PERTIES COMPANY, a wholly-owned subsidiary of office at Saint Paul, Minnesota, its successors and on and application, and in and to any division or my and all improvements in the said invention made is made during, or within one year after the
ail Letiers Patent, re	examinations, reissues, or extensions thereof,	existing or future subsidiaries), and in and to any and of the United States of America and countries foreign, or Inventors' Certificates in foreign countries in its

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

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

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: Scott J. TUMAN	
Inventor's Signature:	Date:
Band Sund	4/18/2013

PATENT REEL: 030363 FRAME: 0034

RECORDED: 05/07/2013