PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Angela L. PAN	08/23/2013
Giuseppe DE BELLIS	08/26/2013

RECEIVING PARTY DATA

Name:	3M Innovative Properties Company	
Street Address: P.O. Box 33427		
City:	St. Paul	
State/Country:	State/Country: MINNESOTA	
Postal Code:	55133-3427	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29465463

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:	74508US002
NAME OF SUBMITTER:	Hylis H. Froelke
Signature:	/Hylis H. Froelke/
Date:	08/28/2013

PATENT REEL: 031102 FRAME: 0228 CH \$40.00

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT REEL: 031102 FRAME: 0229

DECLARATION AND ASSIGNMENT,	
FOR UTILITY OR DESIGN	
PATENT APPLICATION (37 CFR § 1.63	3)

Case No:

74508US002

	HOOKS	
The specification of which:		
is attached hereto;		
mas filed on		
as United States Application No.		
is identified as PCT International filed on	Application No.	
The above-identified application was r	made or authorized to be made	by me.
I hereby acknowledge that any willful fine or imprisonment of not more than		eclaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unit 3M COMPANY, and a corporation of I assigns, the entire right, title, and intercontinuation (in whole or in part) of sa by me or made jointly with others (protermination of, my employment with 3 all Letters Patent, reexaminations, reist thereto (including the right to apply for own name and to claim any priority riginternational conventions, treaties, or continuation (in whole or in part), rene	to the 3M INNOVATIVE PROF Delaware, having its principal of rest in and to the said invention id application, and in and to an vided any such improvement in M COMPANY and any of its est assues, or extensions thereof, of Letters Patent, Utility Models, whits for such foreign application otherwise), which have been of the wal, reexamination, reissue, of the ements thereon, to be held an	acknowledged, I have agreed to assign and transfer ERTIES COMPANY, a wholly-owned subsidiary of office at Saint Paul, Minnesota, its successors and in and application, and in and to any division or ny and all improvements in the said invention made is made during, or within one year after the disting or future subsidiaries), and in and to any and if the United States of America and countries foreign or Inventors' Certificates in foreign countries in its ins to which such applications are entitled under or may be granted thereon or on any divisional, if other or further application based in whole or in denjoyed as fully and exclusively as they would
consideration any further applications, that may be deemed necessary by sa	, assignments, and documents id Company, its successors, a	strators, to execute and deliver without further , and to perform such other acts as I lawfully may, ssigns, and nominees, fully to secure its right, title, tility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the granted upon any of the said application title, and interest therein.	Commissioner of Patents to is ons, to said 3M Innovative Pro	sue any and all Letters Patent which may be perties Company, as the assignee of the entire right
Legal Name of Inventor: Angela L. PAN		
inventor's Signature:	Dale:	
Color Good	. 8/	23/13

PATENT REEL: 031102 FRAME: 0230

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

Case No:

74508US002

	HOOKS	
The	specification of which:	
\boxtimes	is attached hereto;	
	was filed on as United States Application No.	
	is identified as PCT International Application No. filed on	

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, titte, 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.

Manual Services	Legal Name of Inventor Gluseppe DE BELLIS	
tenten	Inventor's Signature:	Date:
'A CONTRACTOR OF THE PARTY OF T		26/08/2013

PATENT REEL: 031102 FRAME: 0231

RECORDED: 08/28/2013