503938188 07/29/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YINGHUA YANG	07/28/2016
RAN TAO	07/28/2016

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:	29572708

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.

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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:	78552US002
NAME OF SUBMITTER: HYLIS H. FROELKE	
SIGNATURE:	/Hylis H. Froelke/
DATE SIGNED:	07/29/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 503938188 REEL: 039292 FRAME: 0009

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

Case No

78552US002

PATENT APPLICATION (37 CFR § 1.63)	Case No.	7000203002
As a below named inventor, I believe I am an origin application and for which a patent is sought on the ir		t inventor of a claimed invention in the
	PACKAGE	
The specification of which:		
☑ is attached hereto;		
was filed on as United States Application No.		
is identified as PCT International Application No filed on	<u> </u>	
The above-identified application was made or author	ized to be made by me.	
I hereby acknowledge that any willful false statemen fine or imprisonment of not more than 5 years, or both addition, for good and valuable consideration, recommend do hereby assign and transfer unto the 3M INNO 3M COMPANY, and a corporation of Delaware, having assigns, the entire right, title, and interest in and to the continuation (in whole or in part) of said application, by me or made jointly with others (provided any such termination of, my employment with 3M COMPANY all Letters Patent, reexaminations, reissues, or externiture to (including the right to apply for Letters Patentown name and to claim any priority rights for such fointernational conventions, treaties, or otherwise), wh	th. Sipt of which is acknowledged VATIVE PROPERTIES COING Ing its principal office at Saint The said invention and applicat The said invention and applicat The said invention and all imp The improvement is made during The improvement is made of its existing or future The improvement is made of its existing or future The improvement is acknowledged The im	d, I have agreed to assign and transfer VPANY, a wholly-owned subsidiary of Paul, Minnesota, its successors and tion, and in and to any division or rovements in the said invention made g, or within one year after the re subsidiaries), and in and to any and States of America and countries foreign Certificates in foreign countries in its uch applications are entitled under
continuation (in whole or in part), renewal, reexaming part upon the said invention or improvements thereo have been by me had this assignment and transfer r	ation, reissue, or other or furt n, to be held and enjoyed as	her application based in whole or in
I do further agree for myself and for my heirs, execu- consideration any further applications, assignments, that may be deemed necessary by said Company, it and interest as aforesaid and to obtain or maintain L countries; and	and documents, and to perfo s successors, assigns, and n	orm such other acts as I lawfully may, ominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner granted upon any of the said applications, to said 3N title, and interest therein.		
Legal Name of Inventor:	**************************************	
Yinghua YANG		
inventor's Signature:	Date:	
Ying hua Tang	2016.	7.28.

PATENT REEL: 039292 FRAME: 0010

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

Case No:

78552US002

abblication she for Mul	ch a patent is sought on the inve	 		
PACKAGE				
The specification of wh	nich:			
is attached hereto	x			
was filed on				
as United States	Application No.			
is identified as PC filed on	OT International Application No.			
The above-identified a	pplication was made or authorize	d to be made by n	ne.	
fine or imprisonment of in addition, for good are and do hereby assign a SM 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 claim international conventio continuation (in whole part upon the said inverted have been by me had	that any willful false statement me for more than 5 years, or both, and valuable consideration, receipt and transfer unto the 3M INNOV/corporation of Delaware, having at, title, and interest in and to the or in part) of said application, and with others (provided any such in ployment with 3M COMPANY and aminations, reissues, or extensic light to apply for Letters Patent, Union, treaties, or otherwise), which or in part), renewal, reexamination or improvements thereon, this assignment and transfer not	of which is acknown of which is acknown to prove the analysis of the any of its existing any of its existing any thereof, of the tility Models, or in applications to the any of the any of the and enjoyeen made;	ewiedged, I have agree ES COMPANY, a who at Saint Paul, Minneso application, and in and all improvements in the during, or within one or inture subsidiaries United States of Amer ventors' Certificates in which such application or granted thereon our or further application by ed as fully and exclusions.	ed to assign and transfer only-owned subsidiary of ota, its successors and id to any division or the said invention made a year after the i), and in and to any and inca and countries foreign foreign countries in its are entitled under or on any divisional, in based in whole or in saively as they would
consideration any furth that may be deemed n	nyself and for my heirs, executors her applications, assignments, an ecessary by sald Company, its s hid and to obtain or maintain Lette	d documents, and locessors, assigni	to perform such other s, and nominees, fully	acts as I lawfully may, to secure its right, title,
I do hereby authorize a granted upon any of th title, and interest there	and request the Commissioner of se said applications, to said 3M In in.	Patents to issue on novative Properties	any and all Letters Pat as Company, as the as	ent which may be usignee of the entire right
Legal Name of invent	Ör	····	<u> </u>	
Ran TAO		·		
Inventor's Signature:		Date:		
Ran Tau	P\$ 844	70	16.7.28	

PATENT REEL: 039292 FRAME: 0011

RECORDED: 07/29/2016