504482468 08/01/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4529170

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRYAN A. BERGER	06/30/2017
ANGELA L. PAN	07/17/2017

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:	29594075

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.

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:	79288US002
NAME OF SUBMITTER:	PA CHIA XIONG
SIGNATURE:	/Pa chia Xiong/
DATE SIGNED:	08/01/2017

Total Attachments: 2

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PATENT 504482468 REEL: 043151 FRAME: 0653

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

Case No:

79288US002

The specification of which: is attached hereto; was filed on February 15, 2017 as United States Application No.	
as United States Application No.	
	29/594075
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 or imprisonment of not more than 5 years, or both. In addition, for good and valuable consideration, receipt of which is acknown 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 and continuation (in whole or in part) of said application, and in and to any are by me or made jointly with others (provided any such improvement is matermination of, my employment with 3M COMPANY and any of its existing all Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or I own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or material conventions, treaties, or otherwise), which have been or material upon the said invention or improvements thereon, to be held and enhave been by me had this assignment and transfer not been made;	nowledged, I have agreed to assign and transfer TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and id application, and in and to any division or and all improvements in the said invention made ade during, or within one year after the age or future subsidiaries), and in and to any and a United States of America and countries foreign inventors' Certificates in foreign countries in its owhich such applications are entitled under any be granted thereon or on any divisional, her or further application based in whole or in
I do further agree for myself and for my heirs, executors, and administrationsideration any further applications, assignments, and documents, an that may be deemed necessary by said Company, its successors, assign and interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	id to perform such other acts as I lawfully may, ns, and nominees, fully to secure its right, title,
to hereby authorize and request the Commissioner of Patents to issue granted upon any of the said applications, to said 3M Innovative Propert title, and interest therein.	any and all Letters Patent which may be lies Company, as the assignee of the entire right
Legal Name of inventor:	
Bryan A. Berger	

PATENT REEL: 043151 FRAME: 0654

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

Case No:

79288US002

	H	ook	
The specification of wh	nich:		
is attached hereto	X		
was filed on as United States	February 15, 2017 Application No.		29/594075
is identified as PC filed on	T International Application No.		
The above-identified a	oplication was made or authorized t	o be made by m	. •€.
I hereby acknowledge fine or imprisonment o	that any willful false statement mad f not more than 5 years, or both,	e in this declarat	tion is punishable under 18 U.S.C. 1001 by
and do hereby assign a SM COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my empail Letters Patent, reex thereto (including the rown name and to claim international convention continuation (in whole part upon the said investigation).	and transfer unto the 3M INNOVAT corporation of Delaware, having its t, title, and interest in and to the sai or in part) of said application, and in with others (provided any such imprologyment with 3M COMPANY and a aminations, reissues, or extensions ight to apply for Letters Patent, Utilin any priority rights for such foreignes, treaties, or otherwise), which have in part), renewal, reexamination,	IVE PROPERTIES principal office and invention and and to any and overnent is madiny of its existing thereof, of the Use Models, or Invented to the Its way been or may reissue, or other to the land enjour end and enjour invented to the Its way be and and enjour invented to the Its way its way be and and enjour invented to the Its way it is a supplication of the Its way it is a supplicatio	wledged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made e during, or within one year after the or future subsidiaries), and in and to any and Inited States of America and countries foreign rentors' Certificates in foreign countries in its which such applications are entitled under be granted thereon or on any divisional, or or further application based in whole or in yed as fully and exclusively as they would
consideration any furth that may be deemed n	er applications, assignments, and c ecessary by said Company, its succ	locuments, and cessors, assigns	rs, to execute and deliver without further to perform such other acts as I lawfully may, , and nominees, fully to secure its right, title, lodels, 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 Inno	atents to issue a vative Properties	ny and all Letters Patent which may be s Company, as the assignee of the entire right
Legal Name of Invent	Of;		
Angela L. Pan			· · · · · · · · · · · · · · · · · · ·
inventor's Signature:	***************************************	Date:	
Migil		7/	17/2017

PATENT REEL: 043151 FRAME: 0655

RECORDED: 08/01/2017