504792742 02/26/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT4839474

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEGAN E. RENNER	02/23/2018
LLOYD S. VASILAKES	02/16/2018
MARK W. BALDWIN	02/16/2018
MICHAEL C. MOONEY	02/20/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29621583

CORRESPONDENCE DATA

Fax Number:

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.

Email: mekosloski@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	80088US002
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI
SIGNATURE:	/Mycki E. Kosloski/
DATE SIGNED:	02/26/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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Case No:

80088US002

application and for which a patent is sought on the invention entitled	1;
HOLDER	
The specification of which:	
is attached hereto;	
☑ was filed on October 10, 2017]
as United States Application No.	29/621583
is identified as PCT International Application No.	
The above-identified application was made or authorized to be made	e by me.
I hereby acknowledge that any willful false statement made in this difine or imprisonment of not more than 5 years, or both.	ectaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is a and do hereby assign and transfer unto the 3M INNOVATIVE PROF 3M COMPANY, and a corporation of Delaware, having its principal of assigns, the entire right, title, and interest in and to the said invention continuation (in whole or in part) of said application, and in and to are by me or made jointly with others (provided any such improvement is termination of, my employment with 3M COMPANY and any of its exall Letters Patent, reexaminations, reissues, or extensions thereof, of thereto (including the right to apply for Letters Patent, Utility Models, own name and to claim any priority rights for such foreign application international conventions, treaties, or otherwise), which have been ocontinuation (in whole or in part), renewal, reexamination, reissue, of part upon the said invention or improvements thereon, to be held an have been by me had this assignment and transfer not been made;	PERTIES COMPANY, a wholly-owned subsidiary of office at Saint Paul, Minnesota, its successors and in 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 xisting 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 inside the such applications are entitled under or may be granted thereon or on any divisional, in other or further application based in whole or in its denjoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and admini consideration any further applications, assignments, and documents that may be deemed necessary by said Company, its successors, as and interest as aforesaid and to obtain or maintain Letters Patent, Utcountries; and	, and to perform such other acts as I lawfully may,
f do hereby authorize and request the Commissioner of Patents to is granted upon any of the said applications, to said 3M Innovative Protitle, and interest therein.	sue any and all Letters Patent which may be perties Company, as the assignee of the entire right
Legal Name of Inventor:	
Megan E. Renner	
Inventor's Signature: Date:	,
Myan Runer 2	2/23/18

Case No:

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As	a below	named	inventor,	I believe I	am an	original	linventor	or an	original	joint in	iveritor of	f a claim	ed inver	ntion i	n the
app	olication	and for	which a p	atent is so	ight o	n the inv	ention er	ntitled:		-					

		HOLDER		
The specification of	which:			
☐ is attached here	eto;			
was filed on as United State	October 10, 2017 es Application No.		29/621583	
is identified as filed on	PCT International Application I	No.		
The above-identified	l application was made or auth	orized to be made by	/ me.	
	ge that any willful false stateme t of not more than 5 years, or b		ration is punishable under 18	B U.S.C. 1001 by
and do hereby assig 3M COMPANY, and assigns, the entire ri continuation (in who by me or made jointl termination of, my er all Letters Patent, re thereto (including the own name and to clainternational convencentinuation (in who part upon the said in	and valuable consideration, remand transfer unto the 3M INN a corporation of Delaware, has ight, title, and interest in and to le or in part) of said application ly with others (provided any sumployment with 3M COMPAN) examinations, reissues, or extending any priority rights for such a tions, treaties, or otherwise), when it part), renewal, reexamination or improvements there and this assignment and transfer	NOVATIVE PROPER wing its principal office the said invention are, and in and to any anch improvement is may and any of its existicensions thereof, of the foreign applications to which have been or mation, reissue, or other, to be held and element of the said and element in the said and element in the said and element of the said and element in the said in the said and element in the said	TIES COMPANY, a wholly-ore at Saint Paul, Minnesota, it and application, and in and to and all improvements in the saind all improvements in the saind dil improvements in the saind or future subsidiaries), and United States of America a Inventors' Certificates in fore o which such applications are any be granted thereon or on her or further application bas	wined subsidiary of ts successors and any division or aid invention made ar after the id in and to any and and countries foreign and countries in its e entitled under any divisional, and the subsidiary and and subsidiary and subsid
consideration any fu that may be deemed	r myself and for my heirs, exec rther applications, assignment I necessary by said Company, esaid and to obtain or maintain	s, and documents, ar its successors, assig	nd to perform such other acts ins, and nominees, fully to se	as I lawfully may, cure its right, title,
	e and request the Commission the said applications, to said 3 rein.			
Legal Name of Inve	entor:	· ************************************		
Lloyd S. Vasila				
Inventor's Signature	e: S Vandallog	Date: 2/	16/2018	

PATENT

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Case No:

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The specification of v	vhich:	the state of the s		*******
is attached here	to;			
was filed on	October 10, 2017		ì	
	s Application No.		29/621583	
is identified as F	CT International Application	ı Na		
filed on				
The above-identified	application was made or au	thorized to be made by	y me	
In addition, for good and do hereby assign 3M COMPANY, and assigns, the entire rig continuation (in whole by me or made jointly termination of, my en all Letters Patent, resthereto (including the own name and to clainternational conventicontinuation (in whole part upon the said inv	or not more than 5 years, or and valuable consideration, and transfer unto the 3M IN a corporation of Delaware, hit, title, and interest in and the or in part) of said application with others (provided any suployment with 3M COMPAN examinations, reissues, or any priority rights for such ons, treaties, or otherwise), or in part), renewal, reexaminations, renewal, reexaminations, renewal, reexaminations, or otherwise).	receipt of which is ack NOVATIVE PROPER aving its principal office to the said invention at on, and in and to any a such improvement is may and any of its existing tensions thereof, of the tent, Utility Models, or a foreign applications to which have been or maintation, reissue, or ot reon, to be held and e	anation is punishable under 18 U.S.C. 1001 be considered. I have agreed to assign and trans RTIES COMPANY, a wholly-owned subsidiary ce at Saint Paul, Minnesota, its successors and application, and in and to any division or and all improvements in the said invention manade during, or within one year after the ing or future subsidiaries), and in and to any ne United States of America and countries for Inventors' Certificates in foreign countries in to which such applications are entitled under may be granted thereon or on any divisional, ther or further application based in whole or implyed as fully and exclusively as they would	sfer y of nd ade and eigr its
I do further agree for consideration any funt that may be deemed and interest as afores countries; and I do hereby authorize	myself and for my heirs, exe her applications, assignmen necessary by said Company aid and to obtain or maintain and request the Commissio	ecutors, and administratis, and documents, and focuments, are, its successors, assign Letters Patent, Utility	ators, to execute and deliver without further and to perform such other acts as I lawfully magns, and nominees, fully to secure its right, tit y Models, or Inventors' Certificates in any and any and all Letters Patent which may be	ie, I ali
title, and interest then	rie said applications, to said ein.	3M Innovative Proper	ties Company, as the assignee of the entire	ight
Legal Name of Inver				
Mark W. Baldwi	<u> </u>			mma
Inventor's Signature	luv Tal	Date	2-16-2018	, i i i i i i i i i i i i i i i i i i i

Case No:

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The specification of	which:		
is attached here	e to ;		
was filed on	October 10, 2017 s Application No.	29/621583	
·	PCT International Application No.		

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, title, 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.

Legal Name of Inventor:	
Michael C. Mooney	
Inventor's Signature:	Date: 2/20/30/8