PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4839407

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEGAN E. RENNER	02/23/2018
MATTHEW D. CHAFFEE	02/15/2018
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:	29621590						

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:	80091US002
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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DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

80091US002

BRUSH	
The specification of which:	
is attached hereto;	
was filed on October 10, 2017 as United States Application No.	29/621590
is identified as PCT International Application No.	
The above-identified application was made or authorized to be made by	me,.
I hereby acknowledge that any willful false statement made in this declar fine or imprisonment of not more than 5 years, or both.	ration is punishable under 18 U.S.C. 1001 by
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 offic 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 a by me or made jointly with others (provided any such improvement is mittermination 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 miccontinuation (in whole or in part), renewal, reexamination, reissue, or otherwise part upon the said invention or improvements thereon, to be held and enhance been by me had this assignment and transfer not been made; I do further agree for myself and for my heirs, executors, and administrations and transfer agree.	TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and 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 of future subsidiaries), and in and to any and e United States of America and countries foreign Inventors' Certificates in foreign countries in its ownich such applications are entitled under ay be granted thereon or on any divisional, her or further application based in whole or in anjoyed as fully and exclusively as they would
consideration any further applications, assignments, and documents, an that may be deemed necessary by said Company, its successors, assig and interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	ns, and nominees, fully to secure its right, title
I do 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 les Company, as the assignee of the entire right
Legal Name of Inventor:	
Megan E. Renner	
Inventor's Signature: Date: 2	123/18

PATENT

REEL: 045034 FRAME: 0826

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

Case No:

80091US002

	r, I believe I am an original inver patent is sought on the invention		nal joint inventor of a claimed invention in the
	BRU	ISH	
The specification of which:			
is attached hereto:			
₩ was filed as	-A-L40 0047		
was filed on O	ctober 10, 2017 lication No.		29/621590
is identified as PCT In filed on	nternational Application No.		
The above-identified applic	ation was made or authorized to	be made by n	ne.
fine or imprisonment of not In addition, for good and va and do hereby assign and 3M COMPANY, and a corp assigns, the entire right, titl continuation (in whole or in by me or made jointly with termination of, my employr all Letters Patent, reexamination of, my employr all Letters Patent, reexamination of the right own name and to claim any international conventions, to continuation (in whole or in part upon the said invention	more than 5 years, or both. aluable consideration, receipt of a transfer unto the 3M INNOVATIVe poration of Delaware, having its ple, and interest in and to the said apart) of said application, and in others (provided any such impropent with 3M COMPANY and any nations, reissues, or extensions to apply for Letters Patent, Utility and priority rights for such foreign a preaties, or otherwise), which have part), renewal, reexamination, re-	which is acknous PROPERTI or incipal office invention and and to any and vement is made y of its existing thereof, of the polications to be been or may eissue, or othere held and enjore properties to the polications to be the polications the polications the polications are the polications the polications the polications are	wiedged, 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 I all improvements in the said invention made le during, or within one year after the or future subsidiaries), and in and to any and United States of America and countries foreign ventors' Certificates in foreign countries in its which such applications are entitled under the properties of the properties
consideration any further a that may be deemed neces	pplications, assignments, and dossary by said Company, its succe	ocuments, and essors, assign:	rs, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, flodels, or Inventors' Certificates in any and all
I do hereby authorize and r granted upon any of the sa title, and interest therein.	request the Commissioner of Pat id applications, to said 3M Innov	ents to issue a ative Propertie	iny and all Letters Patent which may be s Company, as the assignee of the entire right,
Legal Name of Inventor:	······································	***************************************	
Matthew D. Chaffee			
Inventor's Signature:		Date:	
A STATE OF THE STA	Classiffen	02/13	=/2n@

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

PATENT APPLICATION (37 CFR § 1.63)	Case No:	80091US002
As a below named inventor, I believe I am an original in application and for which a patent is sought on the inver-	nventor or an original joint invition entitled:	ventor of a claimed invention in the
В	RUSH	······
The specification of which:		
is attached hereto;		
⊠ was filed on October 10, 2017		
as United States Application No.	29/62159	0
is identified as PCT International Application No.		
The above-identified application was made or authorized	t to be made by me	
I hereby acknowledge that any willful false statement material fine or imprisonment of not more than 5 years, or both. In addition, for good and valuable consideration, receipt and do hereby assign and transfer unto the 3M INNOVA 3M COMPANY, and a corporation of Delaware, having it assigns, the entire right, title, and interest in and to the significant continuation (in whole or in part) of said application, and by me or made jointly with others (provided any such implementation of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extension thereto (including the right to apply for Letters Patent, Ut own name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which it continuation (in whole or in part), renewal, reexamination part upon the said invention or improvements thereon, to have been by me had this assignment and transfer not but the said invention or my heirs, executors, and doruments are for myself and for my heirs, executors, and doruments are formally and for my heirs, executors, and doruments are formally and for my heirs, executors, and doruments are formally and for my heirs, executors, and doruments are formally and for my heirs, executors, and doruments are formally and for my heirs, executors, and doruments are formally and formally	of which is acknowledged, I I TIVE PROPERTIES COMPA is principal office at Saint Paraid invention and application in and to any and all improve provement is made during, or any of its existing or future sins thereof, of the United State lility Models, or Inventors' Cern applications to which such have been or may be granted in, reissue, or other or further to be held and enjoyed as fully seen made.	nave agreed to assign and transfer tNY, a wholly-owned subsidiary of Ji, Minnesota, its successors and , and in and to any division or ements in the said invention made within one year after the ubsidiaries), and in and to any and as of America and countries foreign difficates in foreign countries in its applications are entitled under thereon or on any divisional, application based in whole or in and exclusively as they would
consideration any further applications, assignments, and that may be deemed necessary by said Company, its sur and interest as aforesaid and to obtain or maintain Letter countries; and	documents, and to perform to ccessors, assigns, and nomin	such other acts as I lawfully may,
I do hereby authorize and request the Commissioner of Figranted upon any of the said applications, to said 3M Inn title, and interest therein.	Patents to issue any and all L lovative Properties Company	etters Patent which may be , as the assignee of the entire right
Legal Name of Inventor:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Mark W. Baldwin		
Inventor's Signature:	Date: 2 16	- 2016

PATENT REEL: 045034 FRAME: 0828

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

Case No:

80091US002

As a	below	named	inventor,	I believe	I am a	in original	inventor	or an	original jo	oint in	ventor o	of a c	claimed	invention	in the
appli	cation	and for	which a p	patent is s	ought	on the inv	ention er	titled:			50 25 0				

BRUSH	
The specification of which:	
is attached hereto;	
was filed on October 10, 2017 as United States Application No.	29/621590
is identified as PCT International Application No.	

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, 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: 2/30/20/8

PATENT REEL: 045034 FRAME: 0829

RECORDED: 02/26/2018