PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4010350

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES P. ENDLE	06/27/2016
JOHN M. BRANDNER	06/24/2016
LAUREN K. CARLSON	06/22/2016
ROBERT J. MAKI	08/11/2016
STEPHEN M. SANOCKI	08/15/2016

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:	15119396	

CORRESPONDENCE DATA

Fax Number: (651)736-7586

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: asmiller@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

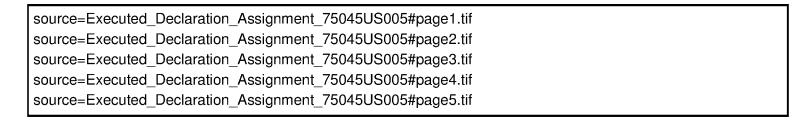
Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	75045US005
NAME OF SUBMITTER:	AMANDA MILLER
SIGNATURE:	/Amanda Miller/
DATE SIGNED:	08/17/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

Total Attachments: 5

PATENT REEL: 039463 FRAME: 0100

503963695



Case No:

75045US005

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the

application and for which a patent	t is sought on the invention entitled:	
SCOURING	ARTICLE AND METHODS OF	F MAKING AND USING
The specification of which:		
is attached hereto;		
was filed on as United States Application	No.	
is identified as PCT Internation	onal Application No. y 16, 2015	PCT/US2015/016046
The above-identified application w	vas made or authorized to be made b	py me.
thereby acknowledge that any wifine or imprisonment of not more t	llful false statement made in this dec than 5 years, or both.	laration is punishable under 18 U.S.C. 1001 by
and do hereby assign and fransfe 3M COMPANY, and a corporation assigns, the entire right, title, and continuation (in whole or in part) oby me or made jointly with others termination of, my employment wi all Letters Patent, reexaminations thereto (including the right to appliown name and to claim any priorit international conventions, treaties continuation (in whole or in part), part upon the said invention or impact been by me had this assignressigns.	r unto the 3M INNOVATIVE PROPEI of Delaware, having its principal offit interest in and to the said invention a of said application, and in and to any (provided any such improvement is r th 3M COMPANY and any of its exist, reissues, or extensions thereof, of the y for Letters Patent, Utility Models, or ty rights for such foreign applications, y or otherwise), which have been or referewal, reexamination, reissue, or of provements thereon, to be held and of ment and transfer not been made;	knowledged, I have agreed to assign and transfer RTIES COMPANY, a wholly-owned subsidiary of ice at Saint Paul, Minnesota, its successors and and application, and in and to any division or and all improvements in the said invention made nade during, or within one year after the ting or future subsidiaries), and in and to any and he United States of America and countries foreign r Inventors' Certificates in foreign countries in its to which such applications are entitled under may be granted thereon or on any divisional, other or further application based in whole or in enjoyed as fully and exclusively as they would
consideration any further applicati that may be deemed necessary by	ons, assignments, and documents, a y said Company, its successors, assi	rators, to execute and deliver without further and to perform such other acts as I lawfully may, igns, and nominees, fully to secure its right, title, ty Models, or Inventors' Certificates in any and all
do hereby authorize and request granted upon any of the said applitie, and interest therein.	the Commissioner of Patents to issuications, to said 3M Innovative Prope	ie any and all Letters Patent which may be erties Company, as the assignee of the entire right,
Legal Name of Inventor:		annananananananananananananananananana
James P. Endle		auuu.
Inventor's Signature:	Date:	
Jan 1. Caylen	Que	27, 2016

Case No:

75045US005

SCOURING ARTICLE AND METHODS OF M.	AKING AND USING
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on February 16, 2015	PCT/US2015/016046
The above-identified application was made or authorized to be made by m	ne,
I hereby acknowledge that any willful false statement made in this declara fine or imprisonment of not more than 5 years, or both.	tion is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknowned and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTI 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 and by me or made jointly with others (provided any such improvement is made termination 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 Informational conventions, treaties, or otherwise), which have been or may continuation (in whole or in part), renewal, reexamination, reissue, or other part upon the said invention or improvements thereon, to be held and enjoyed been by me had this assignment and transfer not been made;	at Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made the during, or within one year after the gor 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 to be granted thereon or on any divisional, are or further application based in whole or in byed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and administrate consideration any further applications, assignments, and documents, and that may be deemed necessary by said Company, its successors, assign and interest as aforesaid and to obtain or maintain Letters Patent, Utility I countries; and	s, 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 Propertions, and interest therein.	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Legal Name of Inventor:	
John M. Brandner	
Inventor's Signature Date:	

Case No:

75045US005

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the

S	COURING ARTICLE AND METI	HODS OF MAKING AND USING
The specification of v	vhich:	
is attached here	no _i	
was filed on as United State	s Application No.	
is identified as f	PCT International Application No. February 16, 2015	PCT/US2015/016046
The above-identified	application was made or authorized to	be made by me.
l hereby acknowledg fine or imprisonment	e that any willful false statement made of not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assig 3M COMPANY, and assigns, the entire ricontinuation (in who by me or made joint termination of, my etall Letters Patent, rethereto (including thrown name and to clainternational convencontinuation (in who part upon the said in have been by me ha	n and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its part, title, and interest in and to the said et or in part) of said application, and in y with others (provided any such impromptoyment with 3M COMPANY and an examinations, reissues, or extensions e right to apply for Letters Patent, Utility aim any priority rights for such foreign attions, treaties, or otherwise), which have or in part), renewal, reexamination, revention or improvements thereon, to be detailed this assignment and transfer not been apply to the part of the part	
consideration any fu	inther applications, assignments, and d t necessary by said Company, its succ	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
i do hereby authoriz granted upon any of title, and interest the	the said applications, to said 3M Inno	atents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire righ
Legal Name of Inv	entor:	
Lauren K. Carl	son	
Inventor's Signatu		Date: // 22 / 1/ o

Case No:

75045US005

As a below named	l inventor, I believe I a	n an original inventor	or an original joint	inventor of a claimed	d invention in the
application and for	which a patent is soug	ht on the invention er	ntitled:		

SC	OURING ARTICLE AND MET	HODS OF MAKING AND USING	
The specification of wh	hich:		
is attached hereto	ο;		
was filed on as United States	Application No.		
is identified as Po	CT International Application No. February 16, 2015	PCT/US2015/016046	
The above-identified a	pplication was made or authorized to	be made by me.	
I hereby acknowledge fine or imprisonment of	that any willful false statement made of not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 t	ру
3M 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 clair international convention continuation (in whole part upon the said invention).	corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improployment with 3M COMPANY and an examinations, reissues, or extensions tright to apply for Letters Patent, Utility any priority rights for such foreign a lons, treaties, or otherwise), which have or in part), renewal, reexamination, re	VE PROPERTIES COMPANY, a wholly-owned subsidiar orincipal office at Saint Paul, Minnesota, its successors a I invention and application, and in and to any division or and to any and all improvements in the said invention may ovement is made during, or within one year after the ey of its existing or future subsidiaries), and in and to any thereof, of the United States of America and countries for y Models, or Inventors' Certificates in foreign countries in applications to which such applications are entitled under we been or may be granted thereon or on any divisional, reissue, or other or further application based in whole or e held and enjoyed as fully and exclusively as they would an made;	and ade and oreign ofts
consideration any furth that may be deemed r	her applications, assignments, and do necessary by said Company, its succ	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully messors, assigns, and nominees, fully to secure its right, to Patent, Utility Models, or Inventors' Certificates in any an	itle,
	ne said applications, to said 3M Innov	tents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire	right,
Legal Name of Inven	tor:		
Robert J. Maki	···		***************************************
Inventor's Signature:		Date:	
Robert	4 mali	8/11/16	<u> </u>

Case No:

75045US005

	entor, I believe I am an original inventor or a ich a patent is sou <mark>ght on the invention entitlec</mark>	n original joint inventor of a claimed invention in the
SC	OURING ARTICLE AND METHODS	OF MAKING AND USING
The specification of wh	nich:	
is attached hereto	o;	
was filed on as United States	Application No.	
is identified as P€ filed on	CT International Application No. February 16, 2015	PCT/US2015/016046
The above-identified a	pplication was made or authorized to be mad	e by me.
	that any willful false statement made in this d f not more than 5 years, or both.	eclaration is punishable under 18 U.S.C. 1001 by
3M COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my empall Letters Patent, reexthereto (including the rown name and to claim international convention continuation (in whole part upon the said invehave been by me had	corporation of Delaware, having its principal at, title, and interest in and to the said invention or in part) of said application, and in and to a with others (provided any such improvement bloyment with 3M COMPANY and any of its examinations, reissues, or extensions thereof, cright to apply for Letters Patent, Utility Models any priority rights for such foreign applications, treaties, or otherwise), which have been or in part), renewal, reexamination, reissue, cention or improvements thereon, to be held ar this assignment and transfer not been made;	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 ensite which such applications are entitled under or may be granted thereon or on any divisional, or other or further application based in whole or in and enjoyed as fully and exclusively as they would
consideration any furth	ner applications, assignments, and document necessary by said Company, its successors, a	istrators, to execute and deliver without further s, and to perform such other acts as I lawfully may, issigns, and nominees, fully to secure its right, title, Itility Models, or Inventors' Certificates in any and all
	e said applications, to said 3M Innovative Pr	ssue any and all Letters Patent which may be operties Company, as the assignee of the entire right
Legal Name of Inven	<u>fot:</u>	
Stephen M. Sand	ocki	نة.

Date:

8/15/2016

PATENT REEL: 039463 FRAME: 0106

RECORDED: 08/17/2016

Inventor's Signature: