505198856 11/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5245625

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YIZHONG WANG	10/10/2018
TIFFANY T. TON	10/10/2018
MELINDA B. GUSTAFSON	11/20/2018
JENNIFER POST	10/11/2018
PAUL R. KLAIBER	10/10/2018
CAROLA A. CARRERA VIDAL	10/10/2018
JOEL D. OXMAN	10/11/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16148415

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: tlriley@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	79689US004
NAME OF SUBMITTER:	TRACEY L. RILEY
SIGNATURE:	/Tracey L. Riley/
DATE SIGNED:	11/20/2018

PATENT 505198856 REEL: 047551 FRAME: 0489

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

source=FullyExecutedDeclaratoin-79689US004#page1.tif source=FullyExecutedDeclaratoin-79689US004#page2.tif source=FullyExecutedDeclaratoin-79689US004#page3.tif source=FullyExecutedDeclaratoin-79689US004#page4.tif source=FullyExecutedDeclaratoin-79689US004#page5.tif source=FullyExecutedDeclaratoin-79689US004#page6.tif

source=FullyExecutedDeclaratoin-79689US004#page7.tif

Case No:

79689US004

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 is sought on the invention entitled:

	AQUEOUS O	RAL CARE FLUORIDE TREA	TMENT CO	MPOSITIONS, AND METHODS
LL The	specification of wh		THE IST OF	in Contone, AND INC 11000
	is attached hereto			
<u>ii</u>	is attached herett	o,		
\boxtimes	was filed on	October 1, 2018		
	as United States	Application No.		16/148,415
\boxtimes		CT International Application No.		PCT/IB2018/056752
	filed on	September 4, 2018		
The	above-identified a	pplication was made or authorized to	be made by n	ne.
l her fine	eby acknowledge or imprisonment o	that any willful false statement made f not more than 5 years, or both.	in this declara	ation is punishable under 18 U.S.C. 1001 by
3M (assignment by m term all Le there own inter conti part have	COMPANY, and a gns, the entire right inuation (in whole the or made jointly ination of, my empatters Patent, reex and to claim national convention inuation (in whole upon the said invested been by me had	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 improviousment with 3M COMPANY and an aminations, reissues, or extensions tight to apply for Letters Patent, Utility in any priority rights for such foreign a ns, treaties, or otherwise), which have or in part), renewal, reexamination, nention or improvements thereon, to be this assignment and transfer not bee	principal office invention and and to any and vernent is made y of its existing thereof, of the polications to ye been or may eissue, or other held and enjor made;	ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or diall improvements in the said invention made le 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, or or further application based in whole or in byed as fully and exclusively as they would
cons that and	ideration any furth may be deemed n	er applications, assignments, and do ecessary by said Company, its succe	ocuments, and essors, assigns	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, Models, or Inventors' Certificates in any and all
gran	hereby authorize a ted upon any of th and interest therei	e said applications, to said 3M Innov	ents to issue a ative Propertie	iny and all Letters Patent which may be is Company, as the assignee of the entire right
Leg	al Name of Invent	or:		
	hong Wang			TO COLOR
Inve	entor's Signature:		Date:	
	Kaly	4	101	10/20/8

Case No:

79689US004

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 is sought on the invention entitled:

AQU	EOUS OF	RAL CARE FLUORIDE TREA	TMENT CO	MPOSITIO	NS, AND MET	HODS
The specific	ation of wh	ich:				
is attac	ched hereto				•	
⊠ was file as Unit		October 1, 2018 Application No.		16/148,415	5	
is identified or		T International Application No. September 4, 2018		PCT/IB201	8/056752	
The above-i	dentified ap	oplication was made or authorized to	be made by r	ne.		
		hat any willful false statement made not more than 5 years, or both.	in this declara	tion is punisl	nable under 18 U.S	S.C. 1001 by
and do here 3M COMPA assigns, the continuation by me or matermination all Letters P thereto (inclown name a internationa continuation part upon the have been by the state of	by assign a NY, and a entire right (in whole cade jointly vof, my empatent, reexauding the riand to claim I convention (in whole casaid inverse or me had to	d valuable consideration, receipt of and transfer unto the 3M INNOVATIVE 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 improvement with 3M COMPANY and an aminations, reissues, or extensions and to apply for Letters Patent, Utility any priority rights for such foreign ans, treaties, or otherwise), which have in part), renewal, reexamination, rention or improvements thereon, to be his assignment and transfer not bee	VE PROPERTI principal office I invention and and to any and ovement is made by of its existing thereof, of the y Models, or In applications to be been or may reissue, or other e held and enjoyen made;	ES COMPAN at Saint Paul application, I all improver de during, or or future su United States ventors' Cert which such a be granted oved as fully	NY, a wholly-owne, Minnesota, its su and in and to any oments in the said in within one year aft besidiaries), and in sof America and conficates in foreign of pplications are entitled the said of th	d subsidiary of occessors and division or ovention made er the and to any and countries foreign countries in its divisional, owhole or in they would
consideratio that may be	n any furth deemed no as aforesa	yself and for my heirs, executors, ar er applications, assignments, and do ecessary by said Company, its succ id and to obtain or maintain Letters l	ocuments, and essors, assign:	to perform s , and nomin	uch other acts as I ees, fully to secure	lawfully may, its right, title,
	n any of the	nd request the Commissioner of Par e said applications, to said 3M Innov n.				
Legal Nam	e of Invent	or:		. '		
Tiffany T	. Ton					
Inventor's	Signature:		Date:			
	560	of the	10/10	12018		

Case No:

79689US004

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 is sought on the invention entitled:

	AQUEOUS OI	RAL CARE FLUORIDE TREAT	TMENT CO	MPOSITIONS, AND METHODS
The	specification of wh	nich:		
	is attached hereto	\sum_{i}		
\boxtimes	was filed on as United States	October 1, 2018 Application No.		16/148,415
\boxtimes	is identified as PC filed on	T International Application No. September 4, 2018		PCT/IB2018/056752
The	above-identified a	pplication was made or authorized to	be made by	mė.
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3M (assi cont by n term all L then own inter cont part	COMPANY, and a gns, the entire righ inuation (in whole ne or made jointly interesters Patent, reexeto (including the readinational conventicitinuation (in whole upon the said investional to investional conventional conventiona	corporation of Delaware, having its p of, title, and interest in and to the said or in part) of said application, and in a with others (provided any such impro- ployment with 3M COMPANY and am- taminations, reissues, or extensions to right to apply for Letters Patent, Utility on any priority rights for such foreign a lons, treaties, or otherwise), which hav or in part), renewal, reexamination, re	rincipal office invention and to any an vernent is may of its existin hereof, of the Models, or it pplications to been or massissue, or other held and en	TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or ad all improvements in the said invention made de during, or within one year after the g 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 by be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
cons that and	sideration any furth may be deemed r	ner applications, assignments, and do recessary by said Company, its succe	ocuments, and essors, assign	ors, to execute and deliver without further d to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
grar		re said applications, to said 3M Innov		any and all Letters Patent which may be ies Company, as the assignee of the entire righ
Le	gal Name of Inven	tor:		
M	elinda B. Gust	afson		
Inv	ventor's Signature:	•	Date:	
m	filmdaE	3. Uustafson	11/2	20/18

Case No:

79689US004

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 is sought on the invention entitled:

AQUEOUS O	RAL CARE FLUORIDE TR	EATMENT CO	OMPOSITIONS, AND METHODS
The specification of w	hich:		
is attached heret	r o ;		
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The above-identified a	application was made or authorize	ed to be made by	me.
fine or imprisonment of	of not more than 5 years, or both.		ation is punishable under 18 U.S.C. 1001 by owledged, I have agreed to assign and transfer
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 lown name and to clair international convention continuation (in whole part upon the said invented the lown had a lower been by me had	corporation of Delaware, having ht, title, and interest in and to the or in part) of said application, an with others (provided any such ir ployment with 3M COMPANY an caminations, reissues, or extension right to apply for Letters Patent, Letters Patent, Letters Patent, Letters Patent, Letters patent, to ons, treaties, or otherwise), which or in part), renewal, reexamination or improvements thereon, this assignment and transfer not	its principal office said invention and in and to any ar approvement is mad any of its existing the properties of the Jtility Models, or linguistions to have been or madon, reissue, or oth to be held and en been made;	TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or ad all improvements in the said invention made ade during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign eventors' Certificates in foreign countries in its which such applications are entitled under by be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
consideration any furth that may be deemed n	ner applications, assignments, an secessary by said Company, its s	id documents, and uccessors, assign	ors, to execute and deliver without further I to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
l do hereby authorize a granted upon any of th litle, and interest there	ne said applications, to said 3M Ir	Patents to issue novative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire right
Legal Name of Invent	tor:		
Jennifer Post			
Inventor's Signature:	25/	Date:	11-18

Case No:

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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 is sought on the invention entitled:

متنينين				
	AQUEOUS O	RAL CARE FLUORIDE TREAT	MENT CO	MPOSITIONS, AND METHODS
The	specification of wh	ich:		
	is attached hereto	j',		
\boxtimes	was filed on as United States	October 1, 2018 Application No.		16/148,415
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The	above-identified a	oplication was made or authorized to t	be made by	me.
fine In a and 3M assi conterm all L ther own intermount contermount part	or imprisonment of ddition, for good ar do hereby assign a COMPANY, and a igns, the entire righ tinuation (in whole ne or made jointly want ination of, my emp etters Patent, reex eto (including the real iname and to clain mational convention tinuation (in whole upon the said inve	f not more than 5 years, or both, and valuable consideration, receipt of wand transfer unto the 3M INNOVATIVE corporation of Delaware, having its protection, and interest in and to the said if or in part) of said application, and in a with others (provided any such improveloyment with 3M COMPANY and any arminations, reissues, or extensions the ight to apply for Letters Patent, Utility in any priority rights for such foreign apons, treaties, or otherwise), which have or in part), renewal, reexamination, re	which is acknown to property and to any any any and to any	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or d all improvements in the said invention made de during, or within one year after the g 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 by be granted thereon or on any divisional, er or further application based in whole or in toyed as fully and exclusively as they would
con that and	sideration any furth may be deemed n	er applications, assignments, and doc ecessary by said Company, its succes	cuments, and ssors, assigr	ors, to execute and deliver without further I to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and al
grai	hereby authorize anted upon any of the and interest there	e said applications, to said 3M Innova	ents to issue ative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Le	gal Name of Inven	or		
Pa	aul R. Klaiber			
Inv	ventor's Signature:	L / 1	Date:	8 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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is attached hereto;			
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is identified as PCT International Application No. filed on September 4, 2018	PCT/IB2018/056752		
The above-identified application was made or authorized	to be made by me.		
I hereby acknowledge that any willful false statement ma fine or imprisonment of not more than 5 years, or both.	de in this declaration is punishable under 18 U.S.C. 1001 by		
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 sa continuation (in whole or in part) of said application, and by me or made jointly with others (provided any such impletermination of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extension thereto (including the right to apply for Letters Patent, Uti own name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which h 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 b I do further agree for myself and for my heirs, executors, consideration any further applications, assignments, and that may be deemed necessary by said Company, its sue and interest as aforesaid and to obtain or maintain Letter countries; and I do hereby authorize and request the Commissioner of R	any of its existing or future subsidiaries), and in and to any and as thereof, of the United States of America and countries foreign lility Models, or Inventors' Certificates in foreign countries in its in applications to which such applications are entitled under have been or may be granted thereon or on any divisional, in, reissue, or other or further application based in whole or in the beheld and enjoyed as fully and exclusively as they would een made; and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, increased as a signs, and nominees, fully to secure its right, title, its Patent, Utility Models, or Inventors' Certificates in any and all		
granted upon any of the said applications, to said 3ivi inntitle, and interest therein.	novative Properties Company, as the assignee of the entire right,		
Legal Name of Inventor:			
Carola A. Carrera Vidal			
Inventor's Signature:	Date:		
Warolo Gerezo	10-10-2018		

Case No:

79689US004

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 is sought on the invention entitled:

AQUEOUS ORAL CARE FLUORIDE TREA	ATMENT COMPOSITIONS, AND METHODS
The specification of which:	
is attached hereto;	
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The above-identified application was made or authorized to	o be made by me:
i hereby acknowledge that any willful false statement made fine or imprisonment of not more than 5 years, or both.	e in this declaration is punishable under 18 U.S.C. 1001 by
3M COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the said continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such impretermination of, my employment with 3M COMPANY and are all Letters Patent, reexaminations, reissues, or extensions thereto (including the right to apply for Letters Patent, Utilit own name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which ha	and to any and all improvements in the said invention made overnent is made during, or within one year after the my of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign by Models, or Inventors' Certificates in foreign countries in its 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 in be held and enjoyed as fully and exclusively as they would
that may be deemed necessary by said Company, its succ	ind administrators, to execute and deliver without further locuments, and to perform such other acts as I lawfully may, bessors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of Pagranted upon any of the said applications, to said 3M Innotitile, and interest therein.	atents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire righ
Legal Name of Inventor:	
Joel D. Oxman	
Inventor's Signature:	Date:
LODD HAM	10/11/2018

PATENT REEL: 047551 FRAME: 0497

RECORDED: 11/20/2018