# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4512464

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHAEL J. FRITS	07/10/2017
CRAIG S. MOECKLY	07/06/2017
DANIEL H. BERG	07/18/2017
JEROME E. GYSBERS	07/10/2017
RYAN PATRICK SIMMERS	07/17/2017

#### **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15545029

#### **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.

Phone: 651-733-1500
Email: lekraft@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	76098US004
NAME OF SUBMITTER:	LYNNDA E. KRAFT
SIGNATURE:	/Lynnda E. Kraft/
DATE SIGNED:	07/20/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5



Case No:

76098US004

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:

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The specificati	on of wh	sich:								
is attache	ed hereto	¥.								
was filed as United		Application N								
is identific	ed as PC	T Internation January 1		tion No.		PCT/L	JS2016/013	820		
The above-ide	intified a	oplication wa	s made or	authorized to	be made by	me.				
I hereby ackno fine or impriso	wiedge nment o	that any willfi not more tha	ui false sta an 5 years,	tement made, or both.	in this declar	ration is p	iunishable u	nder 18 U	I.S.C. 1001	1 by
In addition, for and do hereby 3M COMPAN assigns, the ercontinuation of all Letters Pate thereto (includ own name and international or continuation (in part upon the shave been by	assign and a contine right of the right of t	and transfer to corporation of the title, and in or in part) of the title, and in or in part) of the title, and in any priority ne, treaties, cor in part), rention or improper, and to or impore the corporation or impersion or	unto the 3N of Delaware terest in an said applic provided an 3M COMF reissues, or for Letters rights for sor otherwis newal, reedowlents!	A INNOVATIPE, having its perfect that its said after the said afte	VE PROPERT principal office invention and and to any ar everent is many of its existing thereof, of the Models, or ling polications to we been or many eissue, or oth e held and end	TIES COME at Saint d applicated and all implicated de during g or futured the United S inventors' which sured ay be grander or furth	MPANY, a way Paul, Minner from and in- rovements in a constant of the reconstant of a constant of a	sholly-own esota, its e and to any in the said one year a es), and in in foreign ons are e in or on and on based	ed subsidi successors y division of invention after the n and to ar countries a countries ntitled und y divisiona in whole o	iary of and or made or made or made or its ier or in its or in
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Legal Name (	of Invent	or:				and an arministra	······	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	mmmmmmm	
Michael J.	FRITS									in in
Inventor's Sig	nature:	***************************************			Date	**************	one and the second seco			
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Case No:

76098US004

As a below named inventor, I believe I am an original inven application and for which a patent is sought on the invention	tor or an original joint inventor of a claimed invention in the entitled:
MICRONEEDLE ARRAY	AND METHOD OF USE
The specification of which:  is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No.     filed on	PCT/US2016/013820
The above-identified application was made or authorized to	be made by me.
I hereby acknowledge that any willful false statement made fine or imprisonment of not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIV 3M COMPANY, and a corporation of Delaware, having its p assigns, the entire right, title, and interest in and to the said continuation (in whole or in part) of said application, and in a by me or made jointly with others (provided any such improvementation of, my employment with 3M COMPANY and any all Letters Patent, reexaminations, reissues, or extensions to thereto (including the right to apply for Letters Patent, Utility own name and to claim any priority rights for such foreign a international conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, repart upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	rincipal office at Saint Paul, Minnesota, its successors and invention and application, and in and to any division or and to any and all improvements in the said invention made vernent is made during, or within one year after the y of its existing or future subsidiaries), and in and to any and hereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its pplications to which such applications are entitled under the been or may be granted thereon or on any divisional, eissue, or other or further application based in whole or in a held and enjoyed as fully and exclusively as they would n made;
I do further agree for myself and for my heirs, executors, an consideration any further applications, assignments, and do that may be deemed necessary by said Company, its succeand interest as aforesaid and to obtain or maintain Letters F countries; and	xcuments, and to perform such other acts as I lawrully may,
I do hereby authorize and request the Commissioner of Pal granted upon any of the said applications, to said 3M Innov title, and interest therein.	tents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire righ
Legal Name of Inventor:	
Craig S. MOECKLY	
Inventor's Signature:	Date:
1 3/1 (	06 Jul 2017

Case No:

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N The specification of which:	IICRONEEDLE ARRAY AI	ND METHOD OF USE
The specification of which:		
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is attached hereto,		
was filed on	00000000	
as United States Applica	tion No.	
is identified as PCT Interfiled on Janu	national Application No. ary 19, 2016	PCT/US2016/013820
The above-identified application	on was made or authorized to be	made by me
and do hereby assign and trar 3M COMPANY, and a corpora assigns, the entire right, title, a continuation (in whole or in pa by me or made jointly with oth termination of, my employmer all Letters Patent, reexaminati thereto (including the right to a own name and to claim any pri international conventions, trea continuation (in whole or in pa part upon the said invention o have been by me had this ass	nsfer unto the 3M INNOVATIVE ation of Delaware, having its prin and interest in and to the said in art) of said application, and in anters (provided any such improve it with 3M COMPANY and any clions, reissues, or extensions the apply for Letters Patent, Utility Minority rights for such foreign apparties, or otherwise), which have lart), renewal, reexamination, reis improvements thereon, to be hisignment and transfer not been resulted.	ich is acknowledged, I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of icipal office at Saint Paul, Minnesota, its successors and vention and application, and in and to any division or d to any and all improvements in the said invention made ment is made during, or within one year after the if its existing or future subsidiaries), and in and to any and reof, of the United States of America and countries foreign lodels, or Inventors' Certificates in foreign countries in its lications to which such applications are entitled under been or may be granted thereon or on any divisional, sue, or other or further application based in whole or in eld and enjoyed as fully and exclusively as they would made; administrators, to execute and deliver without further
consideration any further appl that may be deemed necessa	lications, assignments, and docu iry by said Company, its success	iments, and to perform such other acts as I lawfully may, sors, assigns, and nominees, fully to secure its right, title, lent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and req granted upon any of the said a title, and interest therein.	uest the Commissioner of Paten applications, to said 3M Innovati	its to issue any and all Letters Patent which may be ve Properties Company, as the assignee of the entire right
Legal Name of Inventor:		
Daniel H. BERG		
vament. DLN3		

PATENT

**REEL: 043053 FRAME: 0599** 

Case No:

76098US004

As a below named inventor, I believe I am an original	inventor or an or	riginal joint inventor of	f a claimed invol	ation in the
application and for which a patent is sought on the inv	ention entitled:	ig.i.ar joint inventor of	a claimed invel	mon in the

application and for which a patent is sought on the invent	ion entitled:
MICRONEEDLE ARRA	Y AND METHOD OF USE
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	· · · · · · · · · · · · · · · · · · ·
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The above-identified application was made or authorized	to be made by me.
I hereby acknowledge that any willful false statement mad 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 to hereby assign and transfer unto the 3M INNOVAT 3M COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the sa continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such impresermination of, my employment with 3M COMPANY and a sall Letters Patent, reexaminations, reissues, or extensions hereto (including the right to apply for Letters Patent, Utili own name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which has 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 be	n and to any and all improvements in the said invention made rovement is made during, or within one year after the any of its existing or future subsidiaries), and in and to any and a thereof, of the United States of America and countries foreign ity Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under ave 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 en made;
natinay be deemed necessary by said Company, its succ	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, cessors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
do hereby authorize and request the Commissioner of Paranted upon any of the said applications, to said 3M Innotate, and interest therein.	atents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire right,
Legal Name of Inventor:	
Jerome E. GYSBERS	
Inventor's Signature:	Date:
from t. Syrken	10 Jul 2017

Case No:

76098US004

	entor, I believe I am an original inventor or an orig th a patent is sought on the invention entitled:	inal joint inventor of a claimed invention in the
<del></del>	MICRONEEDLE ARRAY AND METH	HOD OF USE
The specification of wh	ich:	
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was filed on as United States A	Application No.	
is identified as PC filed on	T International Application No.  January 19, 2016	PCT/US2016/013820
The above-identified ap	plication was made or authorized to be made by r	ne.
	hat any willful false statement made in this declara not more than 5 years, or both.	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a cassigns, the entire right continuation (in whole copy me or made jointly watermination of, my emplall Letters Patent, reexathereto (including the rigown name and to claim international convention continuation (in whole copart upon the said inventage been by me had the	d valuable consideration, receipt of which is acknown transfer unto the 3M INNOVATIVE PROPERT corporation of Delaware, having its principal office, title, and interest in and to the said invention and in part) of said application, and in and to any and ith others (provided any such improvement is made loyment with 3M COMPANY and any of its existing aminations, reissues, or extensions thereof, of the ght to apply for Letters Patent, Utility Models, or In any priority rights for such foreign applications to as, treaties, or otherwise), which have been or made in part), renewal, reexamination, reissue, or other in part), renewal, reexamination, reissue, or other intion or improvements thereon, to be held and enjoin assignment and transfer not been made;	IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or dall improvements in the said invention made de 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 y be granted thereon or on any divisional, er or further application based in whole or in oyed as fully and exclusively as they would
do further agree for m	yself and for my heirs, executors, and administrate	ors, to execute and deliver without further

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:	
Ryan Patrick SIMMERS	
Inventor's Signature:	Date: