PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4830106

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JACOB P. JOHNSON	02/13/2018
FRED B. MCCORMICK	02/13/2018
ADAM J. MEULER	02/13/2018
RICHARD J. POKORNY	02/14/2018
DANIEL J. SCHMIDT	02/13/2018

RECEIVING PARTY DATA

Name:	3M Innovative Properties Company			
Street Address:	eet Address: P.O. Box 33427			
City:	St. Paul			
State/Country:	MINNESOTA			
Postal Code:	55133-3427			

PROPERTY NUMBERS Total: 1

Property Type	Number					
Application Number:	15753222					

CORRESPONDENCE DATA

Fax Number: (651)736-3833

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: hhfroelke1@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

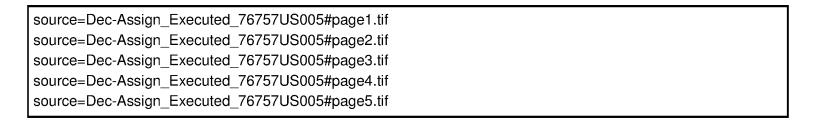
Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	76757US005
NAME OF SUBMITTER:	HYLIS H. FROELKE
SIGNATURE:	/Hylis H. Froelke/
DATE SIGNED:	02/19/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

PATENT REEL: 044967 FRAME: 0447

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	ARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN T APPLICATION (37 CFR § 1.63)	Case No:	76757US005
	d inventor, I believe I am an original invent or which a patent is sought on the invention		inventor of a claimed invention in the
	NANOCLAY FILLED BARRIER	ADHESIVE COM	POSITIONS
The specification	of which:		
is attached	tereto;		
was filed or as United S	tetes Application No.		
is identified filed on	as PCT International Application No. 15 AUGUST 2016	PCT/L	JS2016/047082
The above-ident	ed application was made or authorized to t	se made by me.	
l hereby acknow fine or imprisonn	ledge that any willful false statement made in ent of not more than 5 years, or both.	n this declaration is p	unishable under 18 U.S.C. 1001 by
and do hereby a 3M COMPANY, assigns, the enticontinuation (in the part of made) termination of mall Letters Paten thereto (including own name and trinternational continuation (in the part upon the sathave been by multiple of further agree consideration are that may be deeled and interest as a countries; and	sign and transfer unto the 3M INNOVATIVE and a corporation of Delaware, having its principal of the said in and to the said in	E PROPERTIES COM- incipal office at Saint nvention and applical nd to any and all implement is made during of its existing or futur ereof, of the United S Models, or Inventors' plications to which sure been or may be grant issue, or other or furth held and enjoyed as made; I administrators, to ex- currents, and to perform atent, Utility Models, and to issue any and ints to issue any and	MPANY, a wholly-owned subsidiary of Paul, Minnesota, its successors and tion, and in and to any division or rovements in the said invention made 3, or within one year after the 2 subsidiaries), and in and to any and States of America and countries foreign Certificates in foreign countries in its uch applications are entitled under need thereon or on any divisional, her application based in whole or in fully and exclusively as they would recute and deliver without further arm such other acts as I lawfully may, ominees, fully to secure its right, title, or inventors' Certificates in any and all all Letters Patent which may be
Legal Name of Jacob P. JC	3		· · · · · · · · · · · · · · · · · · ·
Inventor's Sign		Date:	
	M	2/13/20	118
7			

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

Case No:

76757US005

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:

NANOCLAY FILLED BARRIER ADHESI	/E COMPOSITIONS
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on 15 AUGUST 2016	PCT/US2016/047082
The above-identified application was made or authorized to be made by	me.
I hereby acknowledge that any willful false statement made in this decle fine or imprisonment of not more than 5 years, or both.	rration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is ack and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal officessigns, the entire right, title, and interest in and to the said invention as continuation (in whole or in part) of said application, and in and to any aby me or made jointly with others (provided any such improvement is metermination of, my employment with 3M COMPANY and any of its existical Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or metermination (in whole or in part), renewal, reexamination, reissue, or otherwise) and the said invention or improvements thereon, to be held and enamed the been by me had this assignment and transfer not been made;	TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and ad application, and in and to any division or ind all improvements in the said invention made ade during, or within one year after the ing or future subsidiaries), and in and to any and e United States of America and countries foreign Inventors' Certificates in foreign countries in its o which such applications are entitled under ay be granted thereon or on any divisional, ther or further application based in whole or in injoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and administrations consideration any further applications, assignments, and documents, at that may be deemed necessary by said Company, its successors, assigned interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	nd to perform such other acts as I lawfully may, ins, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issurgranted upon any of the said applications, to said 3M Innovative Proper title, and interest therein.	e any and all Letters Patent which may be ties Company, as the assignee of the entire righ
Legal Name of Inventor:	
Fred B. MCCORMICK	
Inventor's Signature: Date:	2/13/15

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

Case No:

76757US005

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;

h	IANOCLAY FILLED BARRIEI	R ADHESIV	E COMPOSITIONS
The specification of wl	hich		
is attached hereto			
was filed on as United States	Application No.		
is identified as Po	CT International Application No. 15 AUGUST 2016		PCT/US2016/047082
The above-identified a	application was made or authorized to	o be made by	me.
	that any willful false statement made of not more than 5 years, or both.	e in this declar	ration is punishable under 18 U.S.C. 1001 by
and do hereby assign 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 clain international convention continuation (in whole part upon the said invehave been by me had	and transfer unto the 3M INNOVATI' corporation of Delaware, having its int, title, and interest in and to the said or in part) of said application, and in with others (provided any such improblement with 3M COMPANY and arcaminations, reissues, or extensions right to apply for Letters Patent, Utility in any priority rights for such foreign and priority for the said application.	VE PROPERT principal office of invention and and to any an overent is many of its existin thereof, of the y Models, or Ir applications to we been or mare issue, or othe held and enjern made;	owledged, I have agreed to assign and transfer TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and dapplication, and in and to any division or and all improvements in the said invention made ade during, or within one year after the ag 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, and de ecessary by said Company, its succ	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
I do hereby authorize a granted upon any of th title, and interest there	e said applications, to said 3M Innov	tents to issue /ative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire right
Legal Name of Invent	or:		
Adam J. MEULEI	R		umos
Inventor's Signature:		Date:	
Coda. 6	Meulee	2/	13/2018

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

Case No:

76757US005

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:

app	lication and for wr	sich a patent is sought on the invent	ion entitied:	
	3	vanoclay filled barrii	ER ADHES!	/E COMPOSITIONS
The	specification of w	hich;		
	is attached here!	to ;		
	was filed on as United States	Application No.		
\boxtimes	is identified as P filed on	CT International Application No. 15 AUGUST 2018		PCT/US2016/047082
The	above-identified i	application was made or authorized	to be made by	me.
		that any willful false statement ma of not more than 5 years, or both.	de in this decis	ration is punishable under 18 U.S.C. 1001 by
and 3M assi con- by r term all L their own inte- con- part hav	do hereby assign COMPANY, and a igns, the entire right invation (in whole ne or made jointly nination of, my smetters Patent, reed (including the name and to clair mational conventituation (in whole upon the said inveloes been by me had	and transfer unto the 3M INNOVATE corporation of Delaware, having its ht, title, and interest in and to the select in part) of said application, and with others (provided any such implications, reissues, or extension right to apply for Letters Patent, Utim any priority rights for such foreign ons, treaties, or otherwise), which he or in part), renewal, reexamination rention or improvements thereon, to this assignment and transfer not be	FIVE PROPER s principal office sid invention ar in and to any a provement is me any of its existive s thereof, of the filly Models, or applications to isve been or me is, reissue, or of be held and e een made;	nowledged, I have agreed to assign and transfer TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and adaptication, and in and to any division or nd all improvements in the said invention made ade during, or within one year after the ng or future subsidiaries), and in and to any and e United States of America and countries foreign inventors' Certificates in foreign countries in its owhich such applications are entitled under ay be granted thereon or on any divisional, her or further application based in whole or in nigoved as fully and exclusively as they would
con that and	sideration any furi may be deemed	ther applications, assignments, and necessary by said Company, its sur	documents, ar cessors, assig	itors, to execute and deliver without further nd to perform such other acts as I lawfully may, ins, and nominees, fully to secure its right, tills, / Models, or Inventors' Certificates in any and all
gras	hereby authorize nted upon any of t , and interest then	he said applications, to said 3M Inn	Patents to issue ovative Proper	e any and all Letters Patent which may be ties Company, as the assignee of the entire righ
Te	gai Name of Inver	agot.		
\$	ichard J. POK			
lm	ventor's Signature	36 ³³	Date:	
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DECLARATION AND ASSIGNMENT. FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

76757US005

As a below	named	inventor,	I believe l	am ar	n original	inventor	or an	original	joint	inventor	ां व	claimed	invention	in th	\$
application	and for	which a p	patent is sc	wght o	n the inv	ention er	titled:								

NANOCL.	AY FILLED BARRIER A	DHESIVE COMPOSITIONS
The specification of which:		
is attached hereto:		
was filed on	44.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	
as United States Application	No.	
is identified as PCT Internatified on 18 AUG	ional Application No. UST 2016	PCY/US2016/047082
The above-identified application	was made or authorized to be	made by me.
and do hereby assign and transfer 3M COMPANY, and a corporatio assigns, the entire right, title, and continuation (in whole or in part) by me or made jointly with others termination of, my employment wall Letters Patent, reexamination thereto (including the right to appown name and to claim any priori international conventions, treaties continuation (in whole or in part), part upon the said invention or in have been by me had this assign	consideration, receipt of whis unto the 3M INNOVATIVE In of Delaware, having its principal terms of said application, and in and (provided any such improver ith 3M COMPANY and any of a reissues, or extensions there by for Letters Patent, Utility Mitty rights for such foreign application, reissuements, which have become and transfer not been ment and transfer not been ment.	
consideration any further applicati that may be deemed necessary t	tions, assignments, and docur by said Company, its successi	dministrators, to execute and deliver without further nents, and to perform such other acts as I lawfully may, ors, assigns, and nominees, fully to secure its right, title, ant, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and reques granted upon any of the said app title, and interest therein.	t the Commissioner of Patent Reations, to said 3M Innovativ	s to issue any and all Letters Patent which may be e Properties Company, as the assignee of the entire right
Legal Name of Inventor:		
Daniel J. SCHMIDT		To the state of th
Inventor's Signature:	De	ite
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PATENT REEL: 044967 FRAME: 0453

RECORDED: 02/19/2018