505479312 05/16/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5526116

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
DAVID H. REDINGER	03/26/2019
CHRISTOPHER R. YUNGERS	03/26/2019
JENNIFER F. SCHUMACHER	03/26/2019

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:	16461464

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: nsconway@mmm.com

3M INNOVATIVE PROPERTIES COMPANY Correspondent Name:

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	78831US004
NAME OF SUBMITTER:	NICOLE S. CONWAY
SIGNATURE:	/Nicole S. Conway/
DATE SIGNED:	05/16/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=Declaration_Assignment_DavidRedinger_78831US004#page1.tif source=Declaration Assignment ChristopherYungers 78831US004#page1.tif source=Declaration Assignment JenniferSchumacher 78831US004#page1.tif

PATENT REEL: 049197 FRAME: 0234 505479312

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

Case No:

78831US004

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:

	SUPPRESSIN	IG THERMALLY INDUCED VO INTEGRITY OF		FOR VERIFYING STRUCTURAL
The	specification of w	hich:	······	
\boxtimes	is attached heret	D ;		
	was filed on as United States	Application No.		
	is identified as Po	CT International Application No. NOVEMBER 15, 2017		PCT/US2017/061792
The	above-identified a	pplication was made or authorized to	be made by	me.
I he fine	reby acknowledge or imprisonment o	that any willful false statement made f not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 by
and 3M assi con by r term all L ther own inte con part	co hereby assign COMPANY, and a igns, the entire right tinuation (in whole ne or made jointly hination of, my empeters Patent, reexists (including the inname and to clair rnational conventionation (in whole upon the said investion the said investion convention the said investion.	and transfer unto the 3M INNOVATIVeorporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and inwith others (provided any such improblement with 3M COMPANY and any taminations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign a mas, treaties, or otherwise), which have or in part), renewal, reexamination, re-	/E PROPERT principal office invention any and to any ar vement is ma y of its existin thereof, of the Models, or li pplications to the been or ma elissue, or oth the held and en	owledged, I have agreed to assign and transfe TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and diapplication, and in and to any division or ad all improvements in the said invention made ide during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign inventors' Certificates in foreign countries in its which such applications are entitled under ay be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
that and	sideration any furti may be deemed n	ter applications, assignments, and do ecessary by said Company, its succe	ocuments, and essors, assign	ors, to execute and deliver without further d to perform such other acts as I lawfuily may, ns, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and al
ខ្លះនា	hereby authorize a nted upon any of the and interest there	ie said applications, to said 3M Innevi	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	Of:		
D	AVID H. REDIN	GER		00000000
Inv	rentor's Signature:		Date:	126/2019

PATENT REEL: 049197 FRAME: 0235

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

Case No:

78831US004

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:

	SUPPRESSING THERMALLY INDUCED VOLTAGES FOR VERIFYING STRUCTURAL INTEGRITY OF MATERIALS				
The	specification of wh	ních:			
\boxtimes	is attached hereto	X [°]			
	was filed on as United States /	Application No.			
Ø	is identified as PC filed on	T International Application No. NOVEMBER 15, 2017		PCT/US2017/061792	
The	above-identified ap	pplication was made or authoriz	ed to be made by	me.	
in ac and 3M (assignoti conti conti there onti conti	or imprisonment or do hereby assign a COMPANY, and a gos, the entire right inuation (in whole commade jointly with a commade jointly with a commade jointly with a commade including the right in ame and to claim national conventior inuation (in whole compon the said inverse been by me had to the command the convention of the compon the component componen	I not more than 5 years, or both, and valuable consideration, receip and transfer unto the 3M INNOV corporation of Delaware, having t, title, and interest in and to the or in part) of said application, are with others (provided any such in interest with 3M COMPANY and aminations, reissues, or extensing to apply for Letters Patent, I any priority rights for such fore ns, treaties, or otherwise), which or in part), renewal, reexamination or improvements thereon, this assignment and transfer not	ot of which is ackr /ATIVE PROPER I its principal office said invention an ad in and to any as improvement is ma id any of its existir ons thereof, of the Utility Models, or I ign applications to i have been or ma on, reissue, or oth to be held and en the been made;	ration is punishable under 18 U.S.C. 1001 by rowledged, I have agreed to assign and transfer RES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and d application, 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 all united States of America and countries foreign equitors' Certificates in foreign countries in its ownich such applications are entitled under any be granted thereon or on any divisional, her or further application based in whole or in a figured as fully and exclusively as they would	
cons hat i and i	averation any tunna may be deemed na	er applications, assignments, ar acessary by said Company, its s	nd documents, an successors, assici	tors, to execute and deliver without further d to perform such other acts as I lawfully may, ns, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all	
រូវនេះប	hereby authorize a ted upon any of the and interest therein	e said applications, to said 3M (i	f Patents to issue nnovative Propert	any and all Letters Patent which may be les Company, as the assignee of the entire right,	
Leg	al Name of Invento	or:	***************************************		
CH	IRISTOPHER R	t. YUNGERS			
Inve	entor's Signature:	arin W	Date:	5 5	
4	Christops	lus 7 Jungers	11/6	reh 26,2019	

PATENT REEL: 049197 FRAME: 0236

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

Case No:

78831US004

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:

SUPPRESSIN	IG THERMALLY INDUCED V INTEGRITY (VOLTAGES FOR VERIFYING STRUCTURA OF MATERIALS	L
The specification of w	hich:		
is attached heret	o;		
was filed on as United States	Application No.		***************************************
is identified as Pr	OT International Application No. NOVEMBER 15, 2017	PCT/US2017/061792	
The above-identified a	pplication was made or authorized	to be made by me.	
I hereby acknowledge		de in this declaration is punishable under 18 U.S.C. 10)01 by
3M COMPANY, and a assigns, the entire righ continuation (in whole by me or made jointly termination of, my empall Letters Patent, reex thereto (including the rown name and to claim international convention continuation (in whole part upon the said invelence been by me had to further agree for moconsideration any furth that may be deemed not and interest as aforesa countries; and	corporation of Delaware, having its at, title, and interest in and to the sai or in part) of said application, and in with others (provided any such improloyment with 3M COMPANY and a aminations, reissues, or extensions ight to apply for Letters Patent, Utility any priority rights for such foreign any priority rights for such foreign ins, treaties, or otherwise), which have in part), renewal, reexamination, intion or improvements thereon, to be his assignment and transfer not becausely and for my heirs, executors, a er applications, assignments, and decessary by said Company, its succident and to obtain or maintain Letters	and administrators, to execute and deliver without furth documents, and to perform such other acts as I lawfull cessors, assigns, and nominees, fully to secure its right Patent, Utility Models, or Inventors' Certificates in any	idiary of ors and or made any and es foreignes in its nder nal, or in vould and all and all
granted upon any of the itle, and interest therei	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	atents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the en	e tire right,
Legal Name of Invento	35.		
JENNIFER F. SCI			uniciani
Inventor's Signature:		Date:	
Jenh F SU	Mensey	26Mar2019	

PATENT REEL: 049197 FRAME: 0237

RECORDED: 05/16/2019