PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5949049

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CLAUDE LAVALLÉE	01/14/2020
DALE E. HUTCHENS	01/16/2020
HARALD KASPAR	01/14/2020
KARL D. WEILANDT	01/13/2020
SHIREEN A. MAMUN	01/13/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16302539

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: jmcourtney@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:	77361US006	
NAME OF SUBMITTER: JOYCE M. COURTNEY		
SIGNATURE:	/Joyce M. Courtney/	
DATE SIGNED:	02/06/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
·		

Total Attachments: 5

PATENT REEL: 051736 FRAME: 0488 source=Declaration_Assignment_Executed_77361US006#page1.tif source=Declaration_Assignment_Executed_77361US006#page2.tif source=Declaration_Assignment_Executed_77361US006#page3.tif source=Declaration_Assignment_Executed_77361US006#page4.tif source=Declaration_Assignment_Executed_77361US006#page5.tif

PATENT REEL: 051736 FRAME: 0489

Case No:

77361US006

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:

The specification o	f which:	
is attached t		
	November 16, 2018 ates Application No.	16/302539
<u></u>		
	as PCT International Application No.	PCT/US2017/033049
filed on	May 17, 2017	
The above-identifie	ed application was made or authorized to b	a made by me.
ine or imprisonme in addition, for goo and do hereby ass as COMPANY, an assigns, the entire continuation (in whom yet a continuation of, my all Letters Patent, thereto (including town name and to conternational convectontinuation (in whost upon the said	nt of not more than 5 years, or both. d and valuable consideration, receipt of whigh and transfer unto the 3M INNOVATIVE dia corporation of Delaware, having its principle, title, and interest in and to the said in ole or in part) of said application, and in another with others (provided any such improve employment with 3M COMPANY and any reexaminations, reissues, or extensions the right to apply for Letters Patent, Utility Malaim any priority rights for such foreign approach on the part), renewal, reexamination, reissues or in part), renewal, reexamination, reissues.	this declaration is punishable under 18 U.S.C. 1001 by ich is acknowledged. I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of cipal 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 of its existing or future subsidiaries), and in and to any and treof, of the United States of America and countries foreign lodels, or Inventors' Certificates in foreign countries in its dilications to which such applications are entitled under been or may be granted thereon or on any divisional, usue, or other or further application based in whole or in deld and enjoyed as fully and exclusively as they would made;
consideration any that may be deeme and interest as afo countries; and do hereby authori	further applications, assignments, and doctored necessary by said Company, its successores and to obtain or maintain Letters Pazze and request the Commissioner of Pater of the said applications, to said 3M Innovations.	administrators, to execute and deliver without further uments, and to perform such other acts as I lawfully may, sors, assigns, and nominees, fully to secure its right, title, tent, Utility Models, or Inventors' Certificates in any and all its to issue any and all Letters Patent which may be ve Properties Company, as the assignee of the entire right.
Legal Name of I	nventor:	
Claude Lava		
Inventor's Signa	ture:	Date:
The state of the s		72
	1	January 14, 2020

PATENT REEL: 051736 FRAME: 0490

Case No:

77361US006

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:

The specification of	which:			
☐ is attached here	eto;			
⊠ was filed on	November 16, 2018			
	s Application No.	· L	16/302539	
⊠ is identified as I	PCT International Application No		PCT/US2017/0336	NAQ
filed on	May 17, 2017			
The above-identified	application was made or authori	zed to be made by	me.	
In addition, for good and do hereby assig 3M COMPANY, and assigns, the entire riccontinuation (in whole by me or made jointst termination of, my er all Letters Patent, rethereto (including the own name and to clainternational conventionation (in whole part upon the said in	of not more than 5 years, or both and valuable consideration, recein and transfer unto the 3M INNO a corporation of Delaware, having the title, and interest in and to the or in part) of said application, a y with others (provided any such apployment with 3M COMPANY as examinations, reissues, or extensionally priority rights for such for ions, treaties, or otherwise), while or in part), renewal, reexamination or improvements thereord this assignment and transfer not the said of the	ipt of which is acknown VATIVE PROPER'ng its principal office e said invention and in and any of its existing thereof, of the Utility Models, or I beign applications to the have been or matton, reissue, or othe, to be held and en	FIES COMPANY, a way at Saint Paul, Minner of application, and in a and all improvements in ade during, or within one or future subsidiaries United States of Amount of the such application of further application or further applications or further applications.	holly-owned subsidiary of sota, its successors and and to any division or the said invention made one year after the es), and in and to any and erica and countries foreign in foreign countries in its ons are entitled under or on any divisional, on based in whole or in
consideration any fur that may be deemed	myself and for my heirs, execute ther applications, assignments, and company, its said and to obtain or maintain Le	and documents, an successors, assign	d to perform such others, and nominees, full	er acts as I lawfully may, ly to secure its right, title,
	and request the Commissioner the said applications, to said 3M rein.			
Legal Name of Inve	ntor:	***************************************		
Dale E. Hutche	ns			
Inventor's Signature	* Alsonor	Date:	114/20	

Case No:

77361US006

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:

Compositions Including Copolymers of Vinylidene Fluoride and Tetrafluoroethylene and Methods of Using the Same			
The specification of w	hich:		
is attached here	eto;		
was filed on as United State	November 16, 2018 s Application No.		16/302539
is identified as l	PCT International Application No. May 17, 2017		PCT/US2017/033049
The above-identified a	application was made or authorized to	be made by me	
fine or imprisonment of	of not more than 5 years, or both.		in is punishable under 18 U.S.C. 1001 by edged, I have agreed to assign and transfer
3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my em all Letters Patent, reathereto (including the own name and to claim international conventional continuation (in whole part upon the said invitate been by me had	corporation of Delaware, having its p ht, 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 any examinations, reissues, or extensions t right to apply for Letters Patent, Utility many priority rights for such foreign a cons, treaties, or otherwise), which hav or in part), renewal, reexamination, re- ention or improvements thereon, to be this assignment and transfer not been	wincipal office at invention and apand to any and averand is made y of its existing on the Ur Models, or Inventions to whe been or may be elected and enjoyen made;	r future subsidiaries), and in and to any and ited States of America and countries foreign ntors' Certificates in foreign countries in its ich such applications are entitled under e granted thereon or on any divisional, or further application based in whole or in ed as fully and exclusively as they would
consideration any furt that may be deemed i	her applications, assignments, and do necessary by said Company, its succe	cuments, and to essors, assigns,	to execute and deliver without further perform such other acts as I lawfully may, and nominees, fully to secure its right, title, dels, or Inventors' Certificates in any and all
I do hereby authorize granted upon any of ti title, and interest there	and request the Commissioner of Pat- ne said applications, to said 3M Innovi ein.	ents to issue any ative Properties	r and all Letters Patent which may be Company, as the assignee of the entire right,
Legal Name of Inve	entor:		
Harald Kaspar			
Inventor's Signatur		Date: 14.	7an. 2020

Case No:

77361US006

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:

С	ompositions Ir	ncluding Copolymers of Vinyli Methods of Usi		ride and Tetrafluoroethylene and ne
The s	specification of whi	ch:		
	is attached hereto) ;		
\boxtimes		November 16, 2018		
	as United States	Application No.		16/302539
\boxtimes	is identified as PC	T International Application No.		PCT/US2017/033049
	filed on	May 17, 2017		
The a	above-identified ap	plication was made or authorized to be	made by me) .

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

In addition, for good and valuable consideration, receipt of which is acknowledged. I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

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: Karl D. Weilandt	
Inventor's Signature:	Date: 7921 13, 2020

Case No:

77361US006

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:

Compositions Including Copolymers of Vinylidene Fluoride and Tetrafluoroethylene and Methods of Using the Same		
The specification of v	/hich:	
☐ is attached her	eto;	
⊠ was filed on	November 16, 2018	
· · · · · · · · · · · · · · · · · · ·	es Application No.	16/302539
is identified as filed on	PCT International Application No. May 17, 2017	PCT/US2017/033049
The above-identified	application was made or authorized to	be made by me,
	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 assign and COMPANY, and assigns, the entire rigontinuation (in whole or made jointly bermination of, my enall Letters Patent, readhereto (including the own name and to claim ternational convent continuation (in whole part upon the said invalue been by me had	and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its point, title, and interest in and to the said a or in part) of said application, and in a with others (provided any such improvement with 3M COMPANY and any examinations, reissues, or extensions the right to apply for Letters Patent, Utility im any priority rights for such foreign a ons, treaties, or otherwise), which have or in part), renewal, reexamination, revention or improvements thereon, to be a this assignment and transfer not been	,
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, hat 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		
	he said applications, to said 3M Innova	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right,
Legal Name of Inve	entor:	
Shireen A. Mai	nun	
Inventor's Signatur	e ;	Date:
A X	Mamer	1/13/2020

PATENT

RECORDED: 02/06/2020 REEL: 051736 FRAME: 0494