505099171 09/18/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5145931 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY J. HEBRINK	06/27/2018
JOSEPH A. RITCHIE	06/28/2018
JACOB D. YOUNG	07/25/2018

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:	16086138				

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: kholmberg@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:	77544US008
NAME OF SUBMITTER:	KELLY J. HOLMBERG
SIGNATURE:	/Kelly J. Holmberg/
DATE SIGNED:	09/18/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=DecAssignment_executed_77544US008#page1.tif source=DecAssignment executed 77544US008#page2.tif source=DecAssignment_executed_77544US008#page3.tif

PATENT REEL: 046898 FRAME: 0929 505099171

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

Case No:

77544US008

As a below	named	inventor,	I believe	l am a	n original	inventor	or an	original	joint in	ventor-	of a	claimed	invention	in t	ាខ
application	and for	which a p	atent is so	ought c	on the inv	ention er	rtitled:								

	MULTILAYER FLU	JOROPOLYN	MER FILMS	
The specification of wh	nich:			
is attached hereto	9.;.			
was filed on as United States	Application No.			
is identified as PC filed on	CT International Application No. March 27, 2017	·····	PCT/US2017/024225	
The above-identified a	pplication was made or authorize	ed to be made by	y me.	
ine or imprisonment on addition, for good at and do hereby assign and COMPANY, and a assigns, the entire right continuation (in whole the entire of the entire to the entire t	of not more than 5 years, or both. Individuable consideration, receip and transfer unto the 3M INNOV, corporation of Delaware, having int, title, and interest in and to the or in part) of said application, and with others (provided any such in ployment with 3M COMPANY and caminations, reissues, or extension any priority rights for such foreight to apply for Letters Patent, Unit any priority rights for such foreigns, treaties, or otherwise), which or in part), renewal, reexamination or improvements thereon, this assignment and transfer not	t of which is ack ATIVE PROPER its principal offic said invention a d in and to any and any of its exist ons thereof, of the Itility Models, or gn applications there been or mon, reissue, or o to be held and e been made;	aration is punishable under 18 U.S.C. 10 cnowledged, I have agreed to assign and RTIES COMPANY, a wholly-owned subside at Saint Paul, Minnesota, its successond application, and in and to any division and all improvements in the said inventionade during, or within one year after the ting or future subsidiaries), and in and to he United States of America and countries Inventors' Certificates in foreign countries to which such applications are entitled unay be granted thereon or on any division thereof or further application based in whole enjoyed as fully and exclusively as they were the substantial to the substantial to the substantial transfer application based in whole enjoyed as fully and exclusively as they were the substantial transfer and the substantial transfer application based in whole enjoyed as fully and exclusively as they were the substantial transfer and the s	I transfer idiary of ors and or on made any and es foreign es in its nder nal, e or in would
consideration any furti that may be deemed r	her applications, assignments, an necessary by said Company, its s	id documents, a uccessors, assi	ators, to execute and deliver without furt and to perform such other acts as I lawful gns, and nominees, fully to secure its rig ty Models, or Inventors' Certificates in an	lly may, ht, title,
	he said applications, to said 3M Ir		e any and all Letters Patent which may letties Company, as the assignee of the e	
Legal Name of Inven	itor;			
Timothy J. Hebr	ink			
Inventor's Signature Lizzly	9. Hell	Date:	6/27/18	())))

PATENT

REEL: 046898 FRAME: 0930

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

Case No:

77544US008

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:

<u></u>	MULTILAYER FLUO	ROPOLYM	ER FILMS
The specification of	which:		
is attached her	eto;		
was filed on as United State	es Application No.		
is identified as filed on	PCT International Application No. March 27, 2017		PCT/US2017/024225
The above-identified	f application was made or authorized t	o be made by	me.
fine or imprisonment of and do hereby assig 3M COMPANY, and assigns, the entire recontinuation (in who by me or made joint termination of, my eall Letters Patent, rethereto (including thown name and to clinternational convercontinuation (in who part upon the said in	and valuable consideration, receipt of and valuable consideration, receipt of an and transfer unto the 3M INNOVATI a corporation of Delaware, having its light, title, and interest in and to the saile or in part) of said application, and in ly with others (provided any such impromployment with 3M COMPANY and a rexaminations, reissues, or extensions e right to apply for Letters Patent, Utilizations, treaties, or otherwise), which have or in part), renewal, reexamination,	f which is acknown in the property of the end of the en	owledged, I have agreed to assign and transfer 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 futhat may be deeme	irther applications, assignments, and o d necessary by said Company, its succ	documents, and cessors, assign	ors, to execute and deliver without further d to perform such other acts as I lawfully may, as, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
	f the said applications, to said 3M Inno		any and all Letters Patent which may be les Company, as the assignee of the entire right,
Legal Name of Inv	entor:		
Joseph A. Ric	hie		100
Inventor's Signatu	re 1 Duli	Date:	18/2018

PATENT REEL: 046898 FRAME: 0931

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

RECORDED: 09/18/2018

Case No:

77544US008

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:

		MULTILAYER FLUOI	ROPOLYM	ER FILMS
The	specification of wh	nich:	·····	
	is attached hereto)		
	was filed on as United States	Application No.		
Ø	is identified as P0 filed on	CT International Application No. March 27, 2017		PCT/US2017/024225
The	above-identified a	pplication was made or authorized to	be made by	me.
fine In acand and assi cont by n term all L ther own inter part have	or imprisonment or imprisonment of dition, for good at do hereby assign. COMPANY, and a gns, the entire rightinuation (in whole ne or made jointly interested (including the report of the iname and to claim mational conventionation (in whole upon the said invested been by me had	If not more than 5 years, or both, and 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 improving the said application, and in with others (provided any such improving the said apply for Letters Patent, Utility in any priority rights for such foreign a ons, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not bee	which is acknown by PROPERT or incipal office and to any are overent is mady of its existing thereof, of the polications to be been or made; and 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 ad all improvements in the said invention made adeduring, 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 any be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
continat	sideration any furth may be deemed r	ner applications, assignments, and de necessary by said Company, its succ	ocuments, and essors, assigr	ors, 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
grar		ne said applications, to said 3M Innov		any and all Letters Patent which may be ies Company, as the assignee of the entire right
I.e	gal Name of Inven	tor:		
8	cob D. Young			aman
ins	ventor's Signature:		Date:	
- The state of the	4-1		7	125/2018

PATENT

REEL: 046898 FRAME: 0932