504705094 12/27/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4751816

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID J. ROWE	10/24/2017
TA-HUA YU	11/03/2017
TIMOTHY J. LINDQUIST	10/23/2017
MARK A. ROEHRIG	10/23/2017
CHRISTOPHER S. LYONS	10/24/2017
STEPHEN P. MAKI	12/26/2017
SCOTT J. JONES	10/24/2017
KEVIN D. HAGEN	11/29/2017
ANDREW M. MEVISSEN	10/29/2017
KENNETH L. LOONEY	10/29/2017
STEPHEN A. JOHNSON	10/30/2017
TERENCE D. NEAVIN	11/12/2017
JOSEPH C. SPAGNOLA	10/23/2017
FRED B. MCCORMICK	11/01/2017

RECEIVING PARTY DATA

Name:	3M INNOVATIVE PROPERTY COMPANIES
Street Address:	PO BOX 33427
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15739168	

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

jlanderson6@mmm.com Email:

> **PATENT** REEL: 044491 FRAME: 0222

504705094

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	76437US009
NAME OF SUBMITTER:	JAMIE L. ANDERSON
SIGNATURE:	/Jamie L. Anderson/
DATE SIGNED:	12/27/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 14

source=Declaration_76437US009#page1.tif source=Declaration_76437US009#page2.tif source=Declaration_76437US009#page3.tif source=Declaration_76437US009#page4.tif source=Declaration_76437US009#page5.tif source=Declaration_76437US009#page6.tif source=Declaration_76437US009#page7.tif source=Declaration_76437US009#page8.tif source=Declaration_76437US009#page9.tif source=Declaration_76437US009#page9.tif source=Declaration_76437US009#page10.tif

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Case No:

76437US009

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:

application and for which a patent is sought on the inventi	
ULTRATHIN BARRIER L	AMINATES AND DEVICES
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No.	PCT/US2016/039280
filed on June 24, 2016	FC1/032016/039200
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.	le in this declaration is punishable under 18 U.S.C. 1001 by
and do 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 sai continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such impritermination of, my employment with 3M COMPANY and a all Letters Patent, reexaminations, reissues, or extensions thereto (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,	n and to any and all improvements in the said invention made rovement is made during, or within one year after the made during, or within one year after the my of its existing or future subsidiaries), and in and to any and a thereof, of the United States of America and countries foreign by 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
that may 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
I do hereby authorize and request the Commissioner of Pagranted upon any of the said applications, to said 3M Inno title, and interest therein.	atents to issue any and all Letters Patent which may be wative Properties Company, as the assignee of the entire right,
Legal Name of Inventor:	
David J. Rowe	
Inventor's Signature:	Date:
DITR	10/20/17

PATENT

REEL: 044491 FRAME: 0224

Case No:

76437US009

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invent	tion in the
application and for which a patent is sought on the invention entitled:	
	
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ULTRATHIN BARRIER LA	MINATES AND DEVICES
The specification of which:	
is attached hereto;	č.
was filed on as United States Application No.	
is identified as PCT International Application No. filed on June 24, 2016	PCT/US2016/039280
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 INNOVATIVAM COMPANY, and a corporation of Delaware, having its passigns, the entire right, title, and interest in and to the said continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such improtermination of, my employment with 3M COMPANY and an all Letters Patent, reexaminations, reissues, or extensions	and to any and all improvements in the said invention made overnent is made during, or within one year after the by of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under we been or may be granted thereon or on any divisional, reissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would
that may be deemed necessary by said Company, its succe	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of Par 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 vative Properties Company, as the assignee of the entire right,
Legal Name of Inventor:	
Ta-Hua Yu	nume.
Inventor's Signature:	Date:
Flyfr_	4/03/2017

PATENT

REEL: 044491 FRAME: 0225

Case No:

76437US009

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:

ULTRATHIN	BARRIER LAMINATES	S AND DEVICES
The specification of which;		
is attached hereto;		
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is identified as PCT International App filed on June 24, 2016	olication No.	PCT/US2016/039280
The above-identified application was made	e or authorized to be made b	y me,
I hereby acknowledge that any willful false fine or imprisonment of not more than 5 ye		aration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M COMPANY, and a corporation of Dela assigns, the entire right, title, and interest continuation (in whole or in part) of said apply me or made jointly with others (provide termination of, my employment with 3M Coall Letters Patent, reexaminations, reissue thereto (including the right to apply for Lettown name and to claim any priority rights international conventions; treaties, or othe continuation (in whole or in part), renewal,	te 3M INNOVATIVE PROPER ware, having its principal officing and to the said invention application, and in and to any add any such improvement is not ompany and any of its exists, or extensions thereof, of the ters Patent, Utility Models, or for such foreign applications exwise), which have been or not extension, to be held and control thereon, to be held and control thereon, to be held and control thereon, to be held and control to the terms of the said thereon, to be held and control thereon.	knowledged, I have agreed to assign and transfer RTIES COMPANY, a wholly-owned subsidiary of ce at Saint Paul, Minnesota, its successors and and application, and in and to any division or and all improvements in the said invention made nade during, or within one year after the ting or future subsidiaries), and in and to any and ne United States of America and countries foreign Inventors' Certificates in foreign countries in its to which such applications are entitled under nay be granted thereon or on any divisional, ther or further application based in whole or intenjoyed as fully and exclusively as they would
consideration any further applications, ass that may be deemed necessary by said Co	signments, and documents, a ompany, its successors, assi	ators, to execute and deliver without further and to perform such other acts as I lawfully may, gns, and nominees, fully to secure its right, title, by Models, or Inventors' Certificates in any and all
		e any and all Letters Patent which may be rties Company, as the assignee of the entire right
Legal Name of Inventor:		
Timothy J. Lindquist		
Inventor's Signature:	Date:	
Tish I I h	f 10	123/2017

Case No:

76437US009

	ULTRATHIN BARRIER LA	MINATES AND DEVICES
The specification of which	ch:	
is attached hereto;		
was filed on		
as United States A	pplication No.	
	Γ International Application No.	PCT/US2016/039280
filed on	June 24, 2016	
The above-identified app	plication was made or authorized to	be made by me.
I hereby acknowledge the fine or imprisonment of r	nat any willful false statement made not more than 5-years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
3M COMPANY, and a consigns, the entire right, continuation (in whole of by me or made jointly wittermination of, my employ all Letters Patent, reexalthereto (including the rigown name and to claim a international conventions continuation (in whole or part upon the said inventave been by me had the	orporation of Delaware, having its p title, and interest in and to the said r in part) of said application, and in a ith others (provided any such impro- byment with 3M COMPANY and any minations, reissues, or extensions to that to apply for Letters Patent, Utility any priority rights for such foreign a s, treaties, or otherwise), which have r in part), renewal, reexamination, re- tion or improvements thereon, to be its assignment and transfer not been	
consideration any further that may be deemed neg	r applications, assignments, and do cessary by said Company, its succe	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize an granted upon any of the title, and interest therein	said applications, to said 3M Innov	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right
Legal Name of Inventor	r.	
Mark A. Roehrig		
Inventor's Signature:		Date:
MINE A	<u>-</u>	230(+17

Case No:

76437US009

As a below named inventor, I believe I am	i an original inventor or an	original joint inventor of a claime	ed invention in the
application and for which a patent is sough	it on the invention entitled:		

application and for wit	ich a patent is sought on the inventor	enuleo.	
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The specification of w	hich:		
is attached heret	o ;		
was filed on as United States	Application No.		
is identified as Po	CT International Application No. June 24, 2016	PCT/US2	016/039280
The above-identified a	application was made or authorized to	be made by me.	
	that any willful false statement made of not more than 5 years, or both.	in this declaration is puni	shable under 18 U.S.C. 1001 by
3M COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my empall Letters Patent, reconstruction and to clair international convention continuation (in whole part upon the said investional continuation).	and transfer unto the 3M INNOVATIVE corporation of Delaware, having its pent, title, and interest in and to the said or in part) of said application, and in a with others (provided any such improving ployment with 3M COMPANY and any saminations, reissues, or extensions the right to apply for Letters Patent, Utility many priority rights for such foreign against treaties, or otherwise), which have or in part), renewal, reexamination, reention or improvements thereon, to be this assignment and transfer not beer	rincipal office at Saint Paint Paint Paint Paint Paint to any and all improvivement is made during, or of its existing or future shereof, of the United Stat Models, or Inventors' Cepplications to which such seen or may be granted issue, or other or further held and enjoyed as fully	ul, Minnesota, its successors and , and in and to any division or sements in the said invention made r within one year after the ubsidiaries), and in and to any and es of America and countries foreign rtificates in foreign countries in its applications are entitled under a thereon or on any divisional, application based in whole or in
consideration any furti that may be deemed r	myself and for my heirs, executors, an her applications, assignments, and do necessary by said Company, its succe aid and to obtain or maintain Letters F	cuments, and to perform ssors, assigns, and nomi	such other acts as I lawfully may, nees, fully to secure its right, title,
	and request the Commissioner of Patine said applications, to said 3M Innovation.		
Legal Name of Inven	tor	······································	
Christopher S. Inventor's Signature:	TAONS	Date:	
	A. G. sec.	24 Oct. 2	017

Case No:

76437US009

As a	below	named	inventor,	I believe	ljam ai	n original	inventor	or an	original joi	nt inventor	ofa.	claimed	invention	in the
applic	cation :	and for	which a p	patent is so	ought c	n the inv	ention er	ititled:						

application and for which	ch a patent is sought on the invention	n entitled:				
	ULTRATHIN BARRIER LA	MINATES	AND DEVICES			
The specification of wh	ich:					
is attached hereto	,					
was filed on as United States A	Application No.					
is identified as PC filed on	T International Application No. June 24, 2016		PCT/US2016/039280			
The above-identified ap	oplication was made or authorized to	be made by	me.			
	hat any willful false statement made not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 by			
and do hereby assign a 3M COMPANY, and a assigns, the entire right continuation (in whole oby me or made jointly vitermination of, my empall Letters Patent, reexithereto (including the right own name and to claim international convention continuation (in whole opart upon the said invertable been by me had to do further agree for monsideration any furth that may be deemed not and interest as aforesa countries; and	n 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 M 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 ermination 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 hereto (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 mart 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; 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 Invent					
title, and interest therei	n.	•				
Legal Name of Invent	OF:	······································				
Stephen P. Mal	κί					
Inventor's Signature:		Date:				
Stephen 1	p. malú	De	cember 26, 2017			

Case No:

76437US009

	ULTRATHIN BARRIER LA	MINATES	AND DEVICES
The specification of which	ch:		
is attached hereto;			
was filed on [as United States A	pplication No.		
is identified as PC7 filed on	I International Application No. June 24, 2016		PCT/US2016/039280
The above-identified ap	plication was made or authorized to	be made by r	ne.
	nat any willful false statement made not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign ar 3M COMPANY, and a c assigns, the entire right, continuation (in whole o by me or made jointly w termination of, my emploal Letters Patent, reexa thereto (including the rigown name and to claim international convention continuation (in whole o part upon the said inventional convention continuation that is a said inventional convention that is a said inventional conventional conventi	nd transfer unto the 3M INNOVATIVerporation of Delaware, having its partitle, and interest in and to the said r in part) of said application, and in ith others (provided any such improperations, reissues, or extensions the partitle of the provided any priority rights for such foreign as, treaties, or otherwise), which have in part), renewal, reexamination, researched.	E PROPERT or incipal office invention and and to any and we ment is made y of its existing thereof, of the Models, or Insplications to been or made issue, or other held and enjections and enjections and enjections to the held and enjections and enjections to the held and enjections and the held and enjections are the held and enjections and the held and enjections are	wiledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or diall improvements in the said invention made de during, or within one year after the gror 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 underly be granted thereon or on any divisional, er or further application based in whole or in oved as fully and exclusively as they would
consideration any furthe that may be deemed ne	er applications, assignments, and do cessary by said Company, its succe	ocuments, and essors, assign	ors, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
	said applications, to said 3M Innov		any and all Letters Patent which may be as Company, as the assignee of the entire right
Legal Name of Inventor Scott J. Jones Inventor's Signature		Date:	

PATENT REEL: 044491 FRAME: 0230

10/24/17

Case No:

76437US009

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:

application and for w	vinch a patent is sought on the invention e	
	ULTRATHIN BARRIER LAM	INATES AND DEVICES
The specification of	which:	
is attached here	eto;	
	es Application No.	
is identified as filed on	PCT International Application No. June 24, 2016	PCT/US2016/039280
The above-identified	t application was made or authorized to be	made by me.
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	the said applications, to said 3M Innovati	ts to issue any and all Letters Patent which may be ve Properties Company, as the assignee of the entire right
Legal Name of Inve	entor:	
Kevin D. Hag Inventor's Signatur	en e: D	Date: 11/29/2017

PATENT

Case No:

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i do nereby authorize granted upon any of t title, and interest there	he said applications, to said 3M Inno	atents to issue any and all Letters Patent which may be wative Properties Company, as the assignee of the entire righ
Legal Name of Inver	ntor:	
Andrew M. Me	vissen	
Inventor's Signature		Date:
andrew Me	roer	10/29/17

10/29/17

Case No:

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As a below named	inventor, I believe I an	n an original inver	ntor or an original	joint inventor of a	claimed invention in the
application and for	which a patent is sough	ht on the invention	n entitled:	•	

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ULTRATHIN BARRIER LAMINATES AND DEVICES	
he specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. Filed on June 24, 2016 PCT/USZ016/039280	
he above-identified application was made or authorized to be made by me.	
hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ne 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:	
Kenneth L. Looney	
Inventor's Signature:	Date:
Bornet J. Long	10-29-2017

Case No:

76437US009

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:

		ULTRATHIN BARRIE	R LAMINATES	AND DEVICES	
The speci	fication of wh	ich:			
☐ is att	ached hereto	;			
	filed on nited States A	Application No.			
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The above	e-identified ap	oplication was made or author	ized to be made by	/ me.	
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considera that may l	ition any furth be deemed ne est as aforesa	er applications, assignments, ecessary by said Company, its	and documents, ar s successors, assig	ators, to execute and deliver without furth nd to perform such other acts as I lawfully gns, and nominees, fully to secure its righ y Models, or Inventors' Certificates in any	may, t, title,
granted u		e said applications, to said 3M		e any and all Letters Patent which may be ties Company, as the assignee of the ent	
Legal Na	ame of Invent	or:			
Steph	en A. Joh	nson			
	's Signature:	a 11	Date:		
	for A	fr.	_	0/30/2017	

PATENT

Case No:

76437US009

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:

ULTRATHIN BARRIER LAMINATES AND DEVICES					
The specification of which:					
is attached hereto;					
was filed on as United States Application No.					
is identified as PCT International Application No. filed on June 24, 2016	PCT/US2016/039280				

The above-identified application was made or authorized to be made by me.

Thereby 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:	
Terence D. Neavin	
Inventor's Signature:	Date:
flum Demi	12 Nov, 2017
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countries; and

application and for which a patent is sought on the invention entitled:

Case No:

76437US009

ULTRATHIN BARRIER LAMINATES AND DEVICES						
The specification of which:						
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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,						

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the

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and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all

Legal Name of Inventor:		
Joseph C. Spagnola Inventor's Signature:		
Inventor's Signature:	Date:	
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Case No:

76437US009

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	ULTRATHIN BARRIER LAMII	NATES AND DEVICES
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I hereby acknowled fine or imprisonmer	lge that any willful false statement made in t nt of not more than 5 years, or both.	his declaration is punishable under 18 U.S.C. 1001 by
and do hereby assi 3M COMPANY, an assigns, the entire continuation (in who	gn and transfer unto the 3M INNOVATIVE F d a corporation of Delaware, having its princ right, title, and interest in and to the said inv ole or in part) of said application, and in and	th is acknowledged, I have agreed to assign and transfer ROPERTIES COMPANY, a wholly-owned subsidiary of ipal office at Saint Paul, Minnesota, its successors and ention and application, and in and to any division or to any and all improvements in the said invention made tent is made during, or within one year after the

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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:		***************************************
Fred B. McCormick		
Inventor's Signature:	Date:	
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PATENT REEL: 044491 FRAME: 0237

RECORDED: 12/27/2017