505475336 05/14/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5522140

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MORGAN A. PRIOLO	05/06/2019
JOSEPH M. PIEPER	05/13/2019
ELLISON G. KAWAKAMI	05/03/2019
HENRIK B. VAN LENGERICH	05/10/2019

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:	16086493

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

3M INNOVATIVE PROPERTIES COMPANY **Correspondent Name:**

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	77554US006
NAME OF SUBMITTER:	HYLIS H. FROELKE
SIGNATURE:	/Hylis H. Froelke/
DATE SIGNED:	05/14/2019

Total Attachments: 5

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PATENT REEL: 049174 FRAME: 0051

Case No:

77554US006

PATENT AP	PLICATION (37 CFR § 1.63)		
As a below named invapplication and for wh	entor, I believe I am an original invention a patent is sought on the invention	or or an original join entitled:	t inventor of a claimed invention in the
	MULTILAYER BA	RRIER FILMS	
The specification of wi	nich:		
is attached hereto	3		
was filed on	SEPTEMBER 19, 2018	<u> </u>	
as United States		16/08	6493
is identified as PC	T International Application No.		
The above-identified a	pplication was made or authorized to b	e made by me.	
fine or imprisonment or in addition, for good ar and do hereby assign a 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 riown name and to claim international conventio continuation (in whole part upon the said inveliance been by me had to	that any willful false statement made in finot more than 5 years, or both, and valuable consideration, receipt of with and transfer unto the 3M INNOVATIVE corporation of Delaware, having its prior, title, and interest in and to the said in or part) of said application, and in any with others (provided any such improve aboyment with 3M COMPANY and any caminations, reissues, or extensions the light to apply for Letters Patent, Utility Nationary priority rights for such foreign apply for the part), renewal, reexamination, reisnition or improvements thereon, to be this assignment and transfer not been the part of t	nich is acknowledger PROPERTIES CON ncipal office at Saint evention and applicat of to any and all imp ement is made during of its existing or futur ereof, of the United S flodels, or Inventors' plications to which so been or may be grain issue, or other or furti reld and enjoyed as made;	d, I have agreed to assign and transfe VPANY, a wholly-owned subsidiary of Paul, Minnesota, its successors and tion, and in and to any division or rovements in the said invention made g, or within one year after the e subsidiaries), and in and to any and states of America and countries foreign Certificates in foreign countries in its ich applications are entitled under inted thereon or on any divisional, her application based in whole or in fully and exclusively as they would
consideration any furth that may be deemed n	yself and for my heirs, executors, and er applications, assignments, and doct acessary by said Company, its success id and to obtain or maintain Letters Pa	iments, and to perfo sors, assigns, and no	rm such other acts as I lawfully may, ominees, fully to secure its right, title,
I do hereby authorize a granted upon any of the title, and interest therei	nd request the Commissioner of Pater e said applications, to said 3M Innovati n.	its to issue any and ve Properties Comp	all Letters Patent which may be any, as the assignee of the entire righ
Legal Name of Invent	eliku. 1980-lean 1980-lean 1980-lean 1981-lean 1981-lean 1981-lean 1981-lean 1981-lean 1981-lean 1981-lean 1981-lean 19	enamentalisti alikula a	nannannannannannannannannannannannannan
Morgan A. PRIOL			
Inventor's Signature:		ate:	
11/21		5/6/2019	9

PATENT

REEL: 049174 FRAME: 0052

have been by me had this assignment and transfer not been made,

Case No:

77554US006

As a below named inventor, I believe I am an original application and for which a patent is sought on the in	al inventor or an original joint inventor of a claimed invention in the ivention entitled:
MULTILAY	ER BARRIER FILMS
The specification of which:	
s attached hereto;	
as United States Application No.	16/086493
s identified as PCT International Application No filed on	·
The above-identified application was made or author	ized to be made by me.
I hereby acknowledge that any willful false statement fine or imprisonment of not more than 5 years, or bot	made in this declaration is punishable under 18 U.S.C. 1001 by h.
and do hereby assign and transfer unto the 3M INNO 3M COMPANY, and a corporation of Delaware, having assigns, the entire right, title, and interest in and to the continuation (in whole or in part) of said application, a by me or made jointly with others (provided any such termination of, my employment with 3M COMPANY a all Letters Patent, reexaminations, reissues, or extensional termination of the right to apply for Letters Patent own name and to claim any priority rights for such for international conventions, treaties, or otherwise), while	eipt of which is acknowledged, I have agreed to assign and transfer EVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of angits principal office at Saint Paul, Minnesota, its successors and le said invention and application, and in and to any division or and in and to any and all improvements in the said invention made improvement is made during, or within one year after the and any of its existing or future subsidiaries), and in and to any and sions thereof, of the United States of America and countries foreign, Utility Models, or Inventors' Certificates in foreign countries in its reign applications to which such applications are entitled under the chave been or may be granted thereon or on any divisional, ation, reissue, or other or further application based in whole or in

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

part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would

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, little, and interest therein.

Legal Name of Inventor.	
Joseph M. PIEPER	
Inventor's Signature:	Date.
Joseph Reper	5/13/2019

Case No:

77554US006

As a	below n	amed in	iventor, I	belleve I	am an	original	inventor o	r an origir	ial joint i	nventor o	of a claime	d invention	in the
appl	ication a	nd for w	hich a pa	tent is so	ught on	the inve	intion enti	lled:					

	MULTILAYER BARRIER FILMS						
The	specification of wi	nich:		The second secon			
	is attached herete) ;					
Ø	was filed on as United States	SEPTEMBER 19, 2018 Application No.	16/086493	****			
	is identified as Po	CT International Application No.					

The above-identified application 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 fransfer 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:	A STATE OF THE PARTY OF THE PAR
Ellison G. KAWAKAMI	
Inventor's Signature:	Date:
al and	5/3/2019

PATENT

REEL: 049174 FRAME: 0054

Case No:

77554US006

As a below named	inventor, I believe I	am an original in	nventor or an i	original joint inve	intor of a claimed	invention in the
application and for v	which a patent is so	ught on the inver	ntion entitled:			
A				***************************************		

	MULTILAYER BARRIER FILMS					
The	specification of which:					
	is attached hereto;					
\boxtimes	was filed on SEPTEMBER 19, 2018 as United States Application No.	16/086493				
	is identified as PCT International Application No. filed on					

The above-identified application 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.

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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	**************************************	***************************************	000000000000000000000000000000000000000	***************************************
Henrik B. VAN LEI	NGERICH			
Inventor Signature	u	4	Date:	5/10/19

PATENT

REEL: 049174 FRAME: 0055

Case No:

77554US006

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 BARRIER FILMS					
The	specification of which:					
	is attached hereto;					
\boxtimes	was filed on SEPTEMBER 19, 2018 as United States Application No.	16/086493				
	is identified as PCT International Application No. filed on					

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

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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:	20000000000000000000000000000000000000
Christopher S. LYONS	
Inventor's Signature:	Date:
Chuty hot his 52	10 May 2019

PATENT REEL: 049174 FRAME: 0056

RECORDED: 05/14/2019