PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3041940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRITTON G. BILLINGSLEY	09/15/2014
LARRY A. BREY	09/02/2014
PIERRE LEGARE	09/26/2014
DEREK M. MAANUM	08/28/2014

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:	14462727

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: smdacko1@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	74168US004
NAME OF SUBMITTER:	SUSAN M. DACKO
SIGNATURE:	/Susan M. Dacko/
DATE SIGNED:	09/29/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT 502995341 REEL: 033836 FRAME: 0417

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Case No:

74168US004

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:

appı	ication and for white	on a patent is sought on the invention	n entitied:		
	<u>.</u> .	ayered Or Mixed Sorbent Be	d Protecti	ve Filtration Device	
The	specification of wh	iich:			
	is attached hereto); ;			
\boxtimes	was filed on as United States A	August 19, 2014		14/462,727	***
		T International Application No.			
The	above-identified ap	oplication was made or authorized to	be made by	me.	
		that any willful false statement made f not more than 5 years, or both.	in this declar	ration is punishable under 18 U.S.C. 1001 by	
3M (assignment by m term all Le there own inter conti part have	COMPANY, and a gns, the entire right inuation (in whole one or made jointly with a steel of the control of the	corporation of Delaware, having its p t, title, and interest in and to the said or in part) of said application, and in- vith others (provided any such impro- loyment with 3M COMPANY and an aminations, reissues, or extensions t ght to apply for Letters Patent, Utility any priority rights for such foreign a ns, treaties, or otherwise), which hav or in part), renewal, reexamination, re- ntion or improvements thereon, to be this assignment and transfer not been	orincipal office invention an and to any ar vement is may of its existir thereof, of the Models, or ipplications to been or maeissue, or othe held and en made;	FIES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and diapplication, 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 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, her or further application based in whole or in a gioved as fully and exclusively as they would	e d gn
cons that and	sideration any furth- may be deemed no	er applications, assignments, and do ecessary by said Company, its succe	ocuments, an essors, assigi	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 a	
gran		e said applications, to said 3M Innov		any and all Letters Patent which may be ies Company, as the assignee of the entire rigi	hi
-	gal Name of Inventority				
inve	entor's Signature:		Date:		
: //	A.Z.	21.		9 /	

Case No:

74168US004

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 sough	t on the inv	ention en	titled:							

L	ayered Or Mixed Sorbent Be	d Protective Filtration Device
The specification of w	hich:	
is attached heret	o;	
⊠ was filed on	August 19, 2014	
as United States	Application No.	14/462,727
is identified as P	CT International Application No.	
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 punishable under 18 U.S.C. 1001 by
3M COMPANY, and a assigns, the entire rigi continuation (in whole by me or made jointly termination of, my em all Letters Patent, recithereto (including the own name and to clair international conventic continuation (in whole part upon the said invitate been by me had	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 improposyment with 3M COMPANY and any caminations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign a cons, treaties, or otherwise), which have or in part), renewal, reexamination, reention or improvements thereon, to be this assignment and transfer not been	PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and invention and application, and in and to any division or and to any and all improvements in the said invention made we we were to made during, or within one year after the yof its existing or future subsidiaries), and in and to any and hereof, 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 the been or may be granted thereon or on any divisional, essue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would be made; If administrators, to execute and deliver without further
consideration any furti that may be deemed r	ner applications, assignments, and do necessary by said Company, its succe	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 granted upon any of the title, and interest there	ne 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 Inven	tor:	
Inventor's Signature:		Date:
Mn. 11		

Case No:

74168US004

As a below named inventor, I believe I am an original inventor or an or application and for which a patent is sought on the invention entitled:	iginal joint inventor of a claimed invention in the
Layered Or Mixed Sorbent Bed Protecti	ive Filtration Device
The specification of which:	
is attached hereto;	
was filed on August 19, 2014 as United States Application No	14/462,727
is identified as PCT International Application No.	
The above-identified application was made or authorized to be made by	y me.
I hereby acknowledge that any willful false statement made in this declar fine or imprisonment of not more than 5 years, or both	aration is punishable under 18 U S C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknown and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention are continuation (in whole or in part) of said application, and in and to any aby me or made jointly with others (provided any such improvement is metermination of, my employment with 3M COMPANY and any of its existicall Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or mecontinuation (in whole or in part), renewal, reexamination, reissue, or otherwise been by me had this assignment and transfer not been made; I do further agree for myself and for my heirs, executors, and administrations consideration any further applications, assignments, and documents, are that may be deemed necessary by said Company, its successors, assigned interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	RTIES COMPANY, a wholly-owned subsidiary of the at Saint Paul, Minnesota, its successors and and application, and in and to any division or and all improvements in the said invention made lade during, or within one year after the lade during, or within one year after the lade during or future subsidiaries), and in and to any and the United States of America and countries foreign Inventors' Certificates in foreign countries in its to which such applications are entitled under may be granted thereon or on any divisional, there or further application based in whole or in anjoyed as fully and exclusively as they would laters, to execute and deliver without further and to perform such other acts as I lawfully may, and, and nominees, fully to secure its right, title,

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: Pierre Legare	
Inventor's Signature:	Sept 26, 2014

Case No:

74168US004

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:

	***************************************	ayered Or Mixed Sorbent Be		ve Filtration Device	
The	specification of w	hich:			
	is attached heret				
	was filed on	August 19, 2014			
85.73	as United States			14/462,727	
	is identified as Po	CT International Application No.			
The	above-identified a	pplication was made or authorized to	be made by	me.	
fine in ad and 3M (assignment) assignment term all Lithers cown intercontinuer continuer thave	or imprisonment of dition, for good and hereby assign COMPANY, and a gns, the entire right inuation (in whole ne or made jointly infination of, my empetters Patent, reexeto (including the remande and to claim mational conventionation (in whole upon the said investible).	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 improployment with 3M COMPANY and an taminations, reissues, or extensions right to apply for Letters Patent, Utility any priority rights for such foreign areas, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not been syself and for my heirs, executors, and	which is acknown which is acknown or incipal office invention and to any are overnent is may of its existing thereof, of the polications to be or made; and administration administration which is a made;	ration is punishable under 18 U.S.C. 1001 by nowledged, I have agreed to assign and transfer TIES COMPANY, a wholly-owned subsidiary of a at Saint Paul, Minnesota, its successors and displication, and in and to any division or and all improvements in the said invention made ade during, or within one year after the ago or future subsidiaries), and in and to any and united States of America and countries foreign rentors' Certificates in foreign countries in its owhich such applications are entitled under any be granted thereon or on any divisional, her or further application based in whole or in alloyed as fully and exclusively as they would tors, to execute and deliver without further did to perform such other acts as I lawfully may,	f d gn
that and	may be deemed n	ecessary by said Company, its succe	essors, assigi	ns, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and a	
gran		e said applications, to said 3M Innov		any and all Letters Patent which may be les Company, as the assignee of the entire rigi	Ŧŧ,
	gal Name of Invent rek M. Maanui				
lnv	entor's Signature:)),	Date:	28-2014	

PATENT REEL: 033836 FRAME: 0422

RECORDED: 09/29/2014