## 503472603 09/10/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3519228

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEY	ASSIGNMENT					
CONVEYING PARTY	ΔΤΑ					
		Name		Execution Date		
GREGORY W. SITTON	1			09/08/2015		
ANDREW H. TILSTRA				09/08/2015		
WENSHENG XIA				09/08/2015		
JON A. KIRSCHHOFFI	ER			09/08/2015		
RECEIVING PARTY D	۸тл					
Name:		NOVATIVE PROPERTIES COMPA	NY			
Street Address:		OX 33427				
City:	ST. PA					
State/Country:	MINNE	SOTA				
Postal Code:	55133-	3427				
Property TypeApplication Number:1477		Number     14774149				
CORRESPONDENCE	DATA	(054) 700,0000				
Fax Number:	ha sant t	(651)736-3833 o the e-mail address first; if that i	ie uneur	cossful it will be sent		
		d; if that is unsuccessful, it will b				
Phone:		651-733-1500				
Email:	_	jlhansen4@mmm.com		IV		
Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY   Address Line 1: PO BOX 22427						
•		PO BOX 33427		Address Line 1:PO BOX 33427Address Line 4:ST. PAUL, MINNESOTA 55133-3427		
Address Line 1:		PO BOX 33427 ST. PAUL, MINNESOTA 55133-34	427			
Address Line 1: Address Line 4:	IUMBER:	ST. PAUL, MINNESOTA 55133-34	427			
Address Line 1: Address Line 4: ATTORNEY DOCKET N		ST. PAUL, MINNESOTA 55133-34	427			
Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER		ST. PAUL, MINNESOTA 55133-34 71267US004	427			
Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:		ST. PAUL, MINNESOTA 55133-34 71267US004 JUDY L. HANSEN	427			
Address Line 1:		ST. PAUL, MINNESOTA 55133-34 71267US004 JUDY L. HANSEN /Judy L. Hansen/		eclaration (37 CFR 1.63).		
Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:		ST. PAUL, MINNESOTA 55133-34   71267US004   JUDY L. HANSEN   /Judy L. Hansen/   09/10/2015		eclaration (37 CFR 1.63).		

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DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)	Docket No:	71267US004
As a below named inventor, I believe I am an original in the application and for which a patent is sought on the in		joint inventor of a claimed invention in
SAMPLE CONCENTRATO	OR AND METHO	D OF USE
The specification of which:		
was filed on		

is identified as PCT International Application No.

as United States Application No.

filed on 13 March 2014

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 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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor:	
Gregory W. Sitton	
Inventor's Signature:	Date:
Ju. Avress	9/8/IS

PATENT REEL: 036527 FRAME: 0672

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)	Docket No:	71267US004
s a below named inventor. I believe I am an original invento	or or an original ioint	inventor of a claimed invention in

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:

	SAMPLE CONCENTRATOR AN	ID METHOD OF USE
The specification of		
was filed on	es Application No.	
	PCT International Application No.	PCT/US2014/025166
filed on	13 March 2014	L

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

I hereby acknowledge that any wiliful 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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor:	
Andrew H. Tilstra	
Inventor's Signature:	Date:
and Tibe	9/8/2015

PATENT REEL: 036527 FRAME: 0673

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)	Docket No:	71267US004
As a below named inventor, I believe I am an origin the application and for which a patent is sought on t		oint inventor of a claimed invention in
SAMPLE CONCENTR	ATOR AND METHO	O OF USE
The specification of which:		
is attached hereto;		
was filed on		

☑ is identified as PCT International Application No.

as United States Application No.

PCT/US2014/025166

filed on 13 March 2014

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 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;

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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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor:	
Wensheng Xia	
Inventor's Signature:	Date:
Ner 63-	9-8-15

PATENT REEL: 036527 FRAME: 0674

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)	Docket No:	71267US004
As a below named inventor, I believe I am an original inve the application and for which a patent is sought on the inv		joint inventor of a claimed invention in
SAMPLE CONCENTRATO	R AND METHO	D OF USE
The specification of which:		

	filed on	13 March 2014	
$\boxtimes$	] is identified as PCT International Application No.		PCT/US2014/025166
	as United States A	Application No.	
	was filed on		
	is attached hereto		

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 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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor:	
Jon A. Kirschhoffer	
Inventor's Signature:	Date: 9/8/15

PATENT REEL: 036527 FRAME: 0675

**RECORDED: 09/10/2015**