#### 01/12/2022 507070277

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7117113

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN A. WHEATLEY	11/04/2020
MARK A. ROEHRIG	11/02/2020
AUDREY A. SHERMAN	11/03/2020
DEL R. LAWSON	11/03/2020
GILLES J. BENOIT	11/02/2020
DANIEL J. SCHMIDT	11/05/2020
JONAH SHAVER	11/02/2020
RAYMOND J. KENNEY	01/12/2022
ZHAOHUI YANG	11/03/2020

#### **RECEIVING PARTY DATA**

Name:	3M INNOVATIVE PROPERTIES COMPANY	
Street Address:	P.O. BOX 33427	
City:	SAINT PAUL	
State/Country:	MINNESOTA	
Postal Code:	55133-3427	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17440004

# **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: pjbick@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	81322US004
NAME OF SUBMITTER:	PAULA J. BICK

**PATENT** REEL: 058630 FRAME: 0733 507070277

SIGNATURE:	/Paula J. Bick/
DATE SIGNED:	01/12/2022
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 9	
source=Declaration_Assignment_Ex	ecuted_81322US004#page1.tif
source=Declaration_Assignment_Ex	ecuted_81322US004#page2.tif
source=Declaration_Assignment_Ex	ecuted_81322US004#page3.tif
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source=Declaration_Assignment_Ex	ecuted_81322US004#page5.tif
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source=Declaration\_Assignment\_Executed\_81322US004#page9.tif

PATENT REEL: 058630 FRAME: 0734

Case No:

81322WO003

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

SENSOR ARRAY SPECTROMETER	
The specification of which:	,
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No.     filed on	PCT/IB2020/052538
The above-identified application was made or authorized to be made by i	me.
I hereby acknowledge that any willful false statement made in this declaration fine or imprisonment of not more than 5 years, or both.	ation is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknowned do hereby assign and transfer unto the 3M INNOVATIVE PROPERT	0 ,

In ar 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

Legal Name of Inventor:	
John A. Wheatley	
Inventor's Signature: /John A. Wheatley/	Date: 11/4/2020

Case No:

81322WO003

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:

SENSOR ARRAY SPECTROMETER	
The specification of which:  is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No.  filed on MARCH 19, 2020	PCT/IB2020/052538

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

Legal Name of Inventor:	
Mark A. Roehrig	
Inventor's Signature:	Date:
/Mark A. Roehrig/	2-Nov-2020

Case No:

81322WO003

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:

SENSOR ARRAY SPECTROMETER	
The specification of which:  is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on  MARCH 19, 2020	PCT/IB2020/052538

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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

Legal Name of Inventor:	
Audrey A. Sherman	/ / _
Inventor's Signature:	Date: // S/D

Case No:

81322WO003

As a be	elow name	ed inventor,	I believe I	am an o	riginal i	inventor	or an	original	joint i	inventor	of a claimed	invention	in the
applica	tion and fo	or which a p	atent is so	ught on t	he inve	ention en	titled:	-	•				

SENSOR ARRAY SPECTROMETER					
The specification of which:					
is attached hereto;					
was filed on as United States Application No.					
is identified as PCT International Application No.  filed on MARCH 19, 2020	PCT/IB2020/052538				

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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:	
Del R. Lawson	
Inventor's & gnature:	Date: (3/2020)

**REEL: 058630 FRAME: 0738** 

Case No:

81322WO003

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:

SENSOR ARRAY SPECTROMETER					
The specification of which:					
is attached hereto;					
was filed on as United States Application No.					
is identified as PCT International Application No.  filed on MARCH 19, 2020	PCT/IB2020/052538				

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

Legal Name of Inventor:					
Gilles J. Benoit					
Inventor's Signature:	Date: 11/02/2020				
Bound					

Case No:

81322WO003

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:

SENSOR ARRAY SPEC	CTROMETER
The specification of which:  is attached hereto;  was filed on as United States Application No.  is identified as PCT International Application No. filed on  MARCH 19, 2020	PCT/IB2020/052538
The above-identified application was made or authorized to be ma	de by me.
I hereby acknowledge that any willful false statement made in this fine or imprisonment of not more than 5 years, or both.	declaration is punishable under 18 U.S.C. 1001 by

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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Legal Name of Inventor:					
Daniel J. Schmidt					
Inventor's Signature:	Date:				
/Daniel J. Schmidt/	11/5/2020				

Case No:

81322WO003

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:

SENSOR ARRAY SPECTROMETER				
The specification of which:				
is attached hereto;				
was filed on as United States Application No.				
is identified as PCT International Application No.  filed on MARCH 19, 2020	PCT/IB2020/052538			

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Legal Name of Inventor:					
Jonah Shaver					
Inventor's Signature:	Date:				
for	2020-11-02				

Case No:

81322WO003

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:

SENSOR ARRAY SPECTROMETER					
The specification of which:  is attached hereto;					
was filed on as United States Application No.					
is identified as PCT International Application No.  filed on  MARCH 19, 2020	PCT/IB2020/052538				

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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:					
Raymond J. Kenney					
Inventor's Signature:	Date:				
PocuSigned by:  Raymond kunny  75C37C5856AB414	1/12/2022				

PATENT REEL: 058630 FRAME: 0742

Case No:

81322WO003

	SENSOR	ARRAY SPECTRO	METER
The specification of whi	ich:		
is attached hereto	Ó;		
was filed on as United States.	Application No.		
⊠ is identified as PC filed on	CT International Application MARCH 19, 2020	ı Ño.	PCT/IB2020/052538
The above-identified ap	plication was made or auth	norized to be made by	me,
I hereby acknowledge the fine or imprisonment of	hat any willful false stateme not more than 5 years, or h	ent made in this declar both.	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign at 3M COMPANY, and a classigns, the entire right, continuation (in whole oby me or made jointly with termination of, my emplical Letters Patent, reexathereto (including the rigown name and to claim international convention continuation (in whole opart upon the said invenhave been by me had the	and transfer unto the 3M INIcorporation of Delaware, had a title, and interest in and to prin part) of said application with others (provided any subsyment with 3M COMPAN aminations, reissues, or extend to apply for Letters Pater any priority rights for such as, treaties, or otherwise), wor in part), renewal, reexamption or improvements there his assignment and transfer	NOVATIVE PROPERT aving its principal office of the said invention and in and to any arch improvement is made in and any of its existing and any of its existing ensions thereof, of the ent, Utility Models, or larger applications to which have been or made ination, reissue, or otheon, to be held and end and the rest been made;	owledged, 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 all improvements in the said invention made during, or within one year after the ig 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 furthe that may be deemed ne	er applications, assignment ecessary by said Company,	s, and documents, and its successors, assign	ors, to execute and deliver without further to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and al
I do hereby authorize ar granted upon any of the title, and interest therein	said applications, to said :	ner of Patents to issue 3M Innovative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Legal Name of Invent	for		
Zhaohui Yang			Service a con-
Inventor's Signature:	1/2./1	Date: //	/3/2020

PATENT REEL: 058630 FRAME: 0743

**RECORDED: 01/12/2022**