PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5633727

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
TAO LIU	07/10/2019		
BRENT A. HEDDING	07/10/2019		
DAVID C. MERCORD	07/09/2019		
BRIAN W. OSTLIE	07/09/2019		

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:	16466054					

CORRESPONDENCE DATA

Fax Number:

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.

Email: mekosloski@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:	78542US007
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI
SIGNATURE:	/Mycki E. Kosloski/
DATE SIGNED:	07/24/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 049844 FRAME: 0567

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Case No:

78542US007

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:

OPTICAL IMAGII	NG SYSTEM	
The specification of which: is attached hereto.		
was filed on	16/466,054	
Is identified as PCT International Application No. filed on		
ha aba a sa see a sa sa	***************************************	

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.

Legal Name of Inventor	
Tao Liu	
Inventor's Signature	Date - /
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Case No:

78542US007

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:

OPTICAL IMAGING SYSTEM
The specification of which:
is attached hereto;
was filed on June 3, 2019 as United States Application No. 16/466,054
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.
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
Legal Name of Inventor:
Brent A. Hedding
Inventor's Signature: Date:
3/10/19

Case No:

78542US007

As a below named	l inventor, I believe I	am an original inv	entor or an	original joint	inventor of a d	claimed inver	ition in the
application and for	which a patent is sou	ight on the inventi	on entitled:				.,

application and for wh	ich a patent is sought on the inventio	on entitled:	
	OPTICAL IMAG	GING SYST	EM
The specification of w	hich:	***************************************	
is attached heret	o,		
⊠ was filed on as United States	June 3, 2019 Application No.		16/466,054
is identified as P	CT International Application No.		
The above-identified a	application was made or authorized to	o be made by r	ne.
I hereby acknowledge fine or imprisonment of	that any willful false statement made of not more than 5 years, or both.	e in this declara	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign 3M COMPANY, and a assigns, the entire rigil continuation (in whole by me or made jointly termination of, my em all Letters Patent, rees thereto (including the own name and to clair international conventionation (in whole part upon the said invenave been by me had I do further agree for reconsideration any furtithat may be deemed rand interest as afores countries; and	and transfer unto the 3M INNOVATIVE corporation of Delaware, having its plant, title, and interest in and to the said or in part) of said application, and in with others (provided any such improposations, reissues, or extensions right 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, rention or improvements thereon, to be this assignment and transfer not been myself and for my heirs, executors, and denecessary by said Company, its successful and to obtain or maintain Letters and request the Commissioner of Patens and applications, to said 3M Innoverse.	VE PROPERTI principal office d invention and and to any and ovement is mad ny of its existing thereof, of the y Models, or In applications to ve been or may reissue, or othe held and enjoy en made; and administrate ocuments, and essors, assigns Patent, Utility M	wledged, 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 ground or 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 under to be granted thereon or on any divisional, are or further application based in whole or in byed as fully and exclusively as they would burs, to execute and deliver without further to perform such other acts as I lawfully may, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all any and all Letters Patent which may be as Company, as the assignee of the entire right
Legal Name of Inven	tor:		
David C. Mercor	d		
Inventor's Signature:		Date:	
(du	C. Mul	7 -	9-2019

Case No:

78542US007

As.	a below	named	inventor,	I believe	l am a	n origina	l inventor	or an	original	joint	inventor	of a	claimed	inventior	in the
app	olication	and for	which a p	atent is so	ought o	on the inv	rention er	ititled:							

		ch a patent is sought on the invention entitle	
		OPTICAL IMAGING S	SYSTEM
The	specification of wh	ích:	
	is attached hereto	Σ.	
\boxtimes	was filed on as United States /	June 3, 2019 Application No.	16/466,054
	is identified as PC filed on	T International Application No.	
The	above-identified as	pplication was made or authorized to be ma	de by me.
		that any willful false statement made in this foot more than 5 years, or both.	declaration is punishable under 18 U.S.C. 1001 by
and 3M assi con- by r term all L ther owr inte con- part hav	do hereby assign a COMPANY, and a ligns, the entire right tinuation (in whole one or made jointly white parties Patent, reexists (including the right name and to claim mational conventionation (in whole of the parties) appending the said invested the parties of the parties are the part	and transfer unto the 3M INNOVATIVE PRC corporation of Delaware, having its principa t, title, and interest in and to the said inventior in part) of said application, and in and to with others (provided any such improvement alloyment with 3M COMPANY and any of its aminations, reissues, or extensions thereof, ight to apply for Letters Patent, Utility Model in any priority rights for such foreign applications, treaties, or otherwise), which have been or in part), renewal, reexamination, reissue, ention or improvements thereon, to be held at this assignment and transfer not been made	existing or future subsidiaries), and in and to any and of the United States of America and countries foreign s, or Inventors' Certificates in foreign countries in its ons to which such applications are entitled under or may be granted thereon or on any divisional, or other or further application based in whole or in and enjoyed as fully and exclusively as they would it
con that and	sideration any furth may be deemed n	er applications, assignments, and documen ecessary by said Company, its successors,	nistrators, to execute and deliver without further its, and to perform such other acts as I lawfully may, assigns, and nominees, fully to secure its right, title, Utility Models, or Inventors' Certificates in any and all
grai	hereby authorize a nted upon any of th , and interest therei	e said applications, to said 3M Innovative P	issue any and all Letters Patent which may be roperties Company, as the assignee of the entire righ

Legal Name of Inventor: Brian W. Ostlie Inventor's Signature: Date: