10/26/2017 504613017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4659730

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAO LIU	10/17/2017
BRENT A. HEDDING	10/16/2017
DAVID C. MERCORD	10/16/2017
BRIAN W. OSTLIE	10/16/2017

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:	15569572

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.

Phone: 651-733-1500

Email: mekosloski@mmm.com

3M INNOVATIVE PROPERTIES COMPANY Correspondent Name:

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	76406US009	
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI	
SIGNATURE:	/Mycki E. Kosloski/	
DATE SIGNED:	10/26/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT REEL: 043959 FRAME: 0623

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PATENT REEL: 043959 FRAME: 0624

Inventor's Signature:

Case No:

76406US009

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:

LIGHTGUIDE	
The specification of which:	
is attached hereto;	2
was filed on as United States Application No.	
is identified as PCT International Application No. filed on April 28, 2016	PCT/US2016/029674
The above-identified application was made or authorized to be made b	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 ack and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal offic assigns, the entire right, title, and interest in and to the said invention a continuation (in whole or in part) of said application, and in and to any a by me or made jointly with others (provided any such improvement is me termination of, my employment with 3M COMPANY and any of its exist all 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 international conventions, treaties, or otherwise), which have been or me continuation (in whole or in part), renewal, reexamination, reissue, or of part upon the said invention or improvements thereon, to be held and a have been by me had this assignment and transfer not been made;	RTIES COMPANY, a wholly-owned subsidiary of ce at Saint Paul, Minnesota, its successors and application, and in and to any division or and all improvements in the said invention made hade during, or within one year after the ing 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 hay be granted thereon or on any divisional, thereor further application based in whole or in
I do further agree for myself and for my heirs, executors, and administration any further applications, assignments, and documents, a that may be deemed necessary by said Company, its successors, assigned interest as aforesaid and to obtain or maintain Letters Patent, Utiliticountries; and	nd to perform such other acts as I lawfully may, ons, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issu- granted upon any of the said applications, to said 3M Innovative Proper title, and interest therein.	e any and all Letters Patent which may be ties Company, as the assignee of the entire right
Legal Name of Inventor: T ao Liu	
I I AU LIU	

Date:

PATENT REEL: 043959 FRAME: 0625

title, and interest therein.

Case No:

76406US009

application and for which a patent is sought on the invention entitled	1:
LIGHTGUIDE	
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on April 28, 2016	PCT/US2016/029674
The above-identified application was made or authorized to be made	e by me.
I hereby acknowledge that any willful false statement made in this d fine or imprisonment of not more than 5 years, or both.	eclaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is and do hereby assign and transfer unto the 3M INNOVATIVE PROF 3M COMPANY, and a corporation of Delaware, having its principal assigns, the entire right, title, and interest in and to the said invention continuation (in whole or in part) of said application, and in and to an by me or made jointly with others (provided any such improvement if termination of, my employment with 3M COMPANY and any of its exall Letters Patent, reexaminations, reissues, or extensions thereof, of the total continuity of the right to apply for Letters Patent, Utility Models own name and to claim any priority rights for such foreign application international conventions, treaties, or otherwise), which have been continuation (in whole or in part), renewal, reexamination, reissue, or part upon the said invention or improvements thereon, to be held and have been by me had this assignment and transfer not been made;	PERTIES COMPANY, a wholly-owned subsidiary of office at Saint Paul, Minnesota, its successors and in and application, and in and to any division or my and all improvements in the said invention made is made during, or within one year after the xisting or future subsidiaries), and in and to any and of the United States of America and countries foreign, or Inventors' Certificates in foreign countries in its ins 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
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	

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

Legal Name of Inventor:

Brent A. Hedding

Inventor's Signature:

Date:

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,

filed on-

Case No:

76406US009

application and for which a patent is sought on the invention entitled: LIGHTGUIDE		
is attached hereto;		

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

was filed on as United States Application No.

Signification States Application No.

PCT/US2016/029674

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

April 28, 2016

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:	
David C. Mercord	
Inventor's Signature:	Date: 10/16/2017

Case No:

76406US009

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:

LIGHTGUIDE		
The specification of which:		
is attached hereto;		
was filed on as United States Application No.		
as office braces Approactor (40.		
is identified as PCT International A filed on April 28, 2016		PCT/US2016/029674
The above-identified application was many		de by me.
I hereby acknowledge that any willful fa fine or imprisonment of not more than 5	ilse statement made in this of years, or both.	declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto 3M COMPANY, and a corporation of De assigns, the entire right, title, and intere continuation (in whole or in part) of said by me or made jointly with others (provitermination of, my employment with 3M all Letters Patent, reexaminations, reiss thereto (including the right to apply for Lown name and to claim any priority right international conventions, treaties, or ot continuation (in whole or in part), renew	the 3M INNOVATIVE PRO elaware, having its principal est in and to the said invention application, and in and to a ided any such improvement I COMPANY and any of its esues, or extensions thereof, Letters Patent, Utility Models for such foreign application therwise), which have been all, reexamination, reissue, ments thereon, to be held all	acknowledged, I have agreed to assign and transfer PERTIES COMPANY, a wholly-owned subsidiary of office at Saint Paul, Minnesota, its successors and on and application, and in and to any division or any and all improvements in the said invention made is made during, or within one year after the existing or future subsidiaries), and in and to any and of the United States of America and countries foreign 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
consideration any further applications, a that may be deemed necessary by said	assignments, and document Company, its successors, a	nistrators, to execute and deliver without further s, and to perform such other acts as I lawfully may, assigns, and nominees, fully to secure its right, title, Jtility Models, or Inventors' Certificates in any and all
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:		
Brian W. Ostlie		
Inventor's Signature:	Date:	
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PATENT REEL: 043959 FRAME: 0628

RECORDED: 10/26/2017