PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHISHENG YUN	11/04/2019
JOHN D. LE	12/14/2019
SUSAN L. KENT	12/13/2019

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:	16768925

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 651-733-1500
Email: lengel@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	79926US005
NAME OF SUBMITTER:	LINDA ENGEL
SIGNATURE:	/Linda Engel/
DATE SIGNED:	06/02/2020

Total Attachments: 3

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PATENT 506085443 REEL: 052806 FRAME: 0905

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

79926US

As a below named inventor, I believe I am an original inventor or an original join application and for which a patent is sought on the invention entitled:	nt inventor of a claimed invention in the
Optical Stack and Polarizing Beam Sp	litter
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 13, 2018	IB2018/060028
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 fine or imprisonment of not more than 5 years, or both.	punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknowledge and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES CO 3M COMPANY, and a corporation of Delaware, having its principal office at Sain assigns, the entire right, title, and interest in and to the said invention and applica continuation (in whole or in part) of said application, and in and to any and all imply me or made jointly with others (provided any such improvement is made during termination of, my employment with 3M COMPANY and any of its existing or futurall Letters Patent, reexaminations, reissues, or extensions thereof, of the United thereto (including the right to apply for Letters Patent, Utility Models, or Inventors own name and to claim any priority rights for such foreign applications to which so international conventions, treaties, or otherwise), which have been or may be gray continuation (in whole or in part), renewal, reexamination, reissue, or other or fur part upon the said invention or improvements thereon, to be held and enjoyed as have been by me had this assignment and transfer not been made;	MPANY, a wholly-owned subsidiary of the Paul, Minnesota, its successors and ation, and in and to any division or provements in the said invention madeing, or within one year after the ure subsidiaries), and in and to any and States of America and countries foreign? Certificates in foreign countries in its such applications are entitled under anted thereon or on any divisional, ther application based in whole or in a fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and administrators, to e consideration any further applications, assignments, and documents, and to perfithat may be deemed necessary by said Company, its successors, assigns, and r and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, countries; and	orm such other acts as I lawfully may, nominees, fully to secure its right, title.
I do hereby authorize and request the Commissioner of Patents to issue any and granted upon any of the said applications, to said 3M Innovative Properties Comtitle, and interest therein.	all Letters Patent which may be pany, as the assignee of the entire right
Legal Name of Inventor:	
Zhisheng Yun	
Inventor's Signature: Date: 11/0	4/2019

PATENT REEL: 052806 FRAME: 0906

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

John D. Le

Inventor's Signature:

Case No:

79926US

Optical Stack and Polarizing	g Beam Splitter
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 13, 2018	PCT/IB2018/060028
The above-identified application was made or authorized to be made	de by me.
I hereby acknowledge that any willful false statement made in this of fine or imprisonment of not more than 5 years, or both. 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 a by me or made jointly with others (provided any such improvement termination of, my employment with 3M COMPANY and any of its eall Letters Patent, reexaminations, reissues, or extensions thereof, of the the total continuation (in 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 at have been by me had this assignment and transfer not been made;	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 my 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 to the United States of America and countries in its ons to which such applications are entitled under for 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
I do further agree for myself and for my heirs, executors, and admin consideration any further applications, assignments, and document that may be deemed necessary by said Company, its successors, a and interest as aforesaid and to obtain or maintain Letters Patent, L countries; and I do hereby authorize and request the Commissioner of Patents to it granted upon any of the said applications, to said 3M Innovative Protitle, and interest therein.	sistrators, 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, Itility Models, or Inventors' Certificates in any and all ssue any and all Letters Patent which may be
Legal Name of Inventor	

Date:

12/19/2019

PATENT REEL: 052806 FRAME: 0907

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

79926US

As a below named	inventor, I believe I am	i an original invento	or or an origina	al joint invento	or of a claimed	invention in the
application and for	which a patent is sough	nt on the invention e	entitled:	-		

	Optical Stack and Polarizing Beam Splitter				
The	specification of whi	ch:			
	is attached hereto;				
	was filed on [as United States A	pplication No.			
Ø	is identified as PCT filed on	T International Application No. December 13, 2018	PCT/IB2018/060028		

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:	
Susan L. Kent	
Inventor's Signature:	Date:
Sun APM	December 13,2019

PATENT REEL: 052806 FRAME: 0908

RECORDED: 06/02/2020