#### 09/13/2012 502059220

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### CONVEYING PARTY DATA

Name	Execution Date
William F. Edmonds	08/22/2012
Tao Liu	08/27/2012
John F. Van Derlofske III	08/27/2012
John A. Wheatley	08/22/2012

#### 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:	13634583

## CORRESPONDENCE DATA

Fax Number:

Phone: 651-733-1500

Email: mekosloski@mmm.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

3M INNOVATIVE PROPERTIES COMPANY Correspondent Name:

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER: 66401US005

NAME OF SUBMITTER: Mycki E. Kosloski

Total Attachments: 3

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REEL: 028951 FRAME: 0598

**PATENT** 

Case No.: 66401US005

# ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

OPTICAL STACK AND LIGHTGUIDES		
	for which an application for a United States Patent is being filed contemporaneously herewith;	
	for which an application for a United States Patent identified as U.S. Patent Application No., was filed on;	
$\boxtimes$	which application is identified as PCT International Patent Application No. PCT/US2011/031904: filed April 11, 2011:	

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we 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/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our 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/we 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/We 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.

Assignment Page 1 of 3 Case No.: 68401US005

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]):  William F.	Family Name or Surname: <b>Edmonds</b>				
Inventor's Signature:	Date: 8/22/12	· · · · · · · · · · · · · · · · · · ·			
Residence: Minneapolis, Minnesota	Country: USA	Citizenship: United States of America			
STATE OF MINNESOTA )  SS.  COUNTY OF RAMSEY )  On this 22nd day of August					
Minnesota My Commission Expline Jensery 31, 2017	Notary Public				
	65				
Given Name (first and middle [if any]): <b>Tao</b>	Family Name or Surname:				
Inventor's Signature:	Date: 8/27/	'wr			
Residence: Woodbury, Minnesota	Country: 7 USA	Citizenship: People's Republic of China			
STATE OF MINNESOTA ) ) ss.  COUNTY OF RAMSEY  On this 27 day of August 2012, before me personally appeared the above-named Tao Liu, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.  (Seal)  Notary Public Notary Public Notary Public					

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Given Name (first and middle [if any]):				
John F.	Van Derlofske III			
Inventor's Signature	Date: 8 69/12			
Résidence:	Country:	Citizenship:		
Minneapolis, Minnesota	USA	United States of America		
STATE OF MINNESOTA)  > ss.  COUNTY OF RAMSEY)  On this 27 to day of August (2012), before me personally appeared the above-named John F. Van Derlofske III, and who executed the foregoing instrument, as said person's free act				
and deed, on the day and year aforesaid.				
(Seal)  WCKIENA ELIZABETH KOSLOSKI  Notary Public  Notary Public  Notary Public  Notary Public				
Given Name (first and middle [if any]):	Family Name or Surname:			
John A.	Wheatley			
Inventor's Signatore	Date: F-92-12			
Residence	Country:	Citizenship:		
Lake Elmo, Minnesota	USA	United States of America		
STATE OF MINNESOTA ) ss. COUNTY OF RAMSEY ) On this $22^{\rm nd}$ day of $August$ , $2012$ , before me personally appeared the				
above-named John A. Wheatley, and who executed the foregoing instrument, as said person's free act and deed,				
		said persons nee act and deed,		
on the day and year aforesaid.		sald persons nee act and deed,		

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PATENT REEL: 028951 FRAME: 0601