

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William F. Edmonds</td> <td>08/22/2012</td> </tr> <tr> <td>Tao Liu</td> <td>08/27/2012</td> </tr> <tr> <td>John F. Van Derlofske III</td> <td>08/27/2012</td> </tr> <tr> <td>John A. Wheatley</td> <td>08/22/2012</td> </tr> </tbody> </table>		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
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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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13634583</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13634583						
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Application Number:	13634583										
CORRESPONDENCE DATA											
Fax Number:											
Phone:	651-733-1500										
Email:	mekosloski@mmm.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	3M INNOVATIVE PROPERTIES COMPANY										
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 source=Assignment signed 66401US005#page1.tif source=Assignment signed 66401US005#page2.tif source=Assignment signed 66401US005#page3.tif											

CH \$40.00 13634583

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 ;
- 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.

