

## 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>Jiaying Ma</td> <td>09/05/2012</td> </tr> <tr> <td>Hassan Sahouani</td> <td>08/29/2012</td> </tr> <tr> <td>Feng Bai</td> <td>09/05/2012</td> </tr> <tr> <td>Vadim N. Savvateev</td> <td>08/29/2012</td> </tr> <tr> <td>Jesus Ramos</td> <td>09/19/2012</td> </tr> <tr> <td>Hugo B. Montano</td> <td>09/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jiaying Ma	09/05/2012	Hassan Sahouani	08/29/2012	Feng Bai	09/05/2012	Vadim N. Savvateev	08/29/2012	Jesus Ramos	09/19/2012	Hugo B. Montano	09/19/2012
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<table border="1"> <tr> <td>Name:</td> <td>3M INNOVATIVE PROPERTIES COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>P.O. BOX 33427</td> </tr> <tr> <td>City:</td> <td>SAINT PAUL</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55133-3427</td> </tr> </table>		Name:	3M INNOVATIVE PROPERTIES COMPANY	Street Address:	P.O. BOX 33427	City:	SAINT PAUL	State/Country:	MINNESOTA	Postal Code:	55133-3427				
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CORRESPONDENCE DATA															
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 651-733-1500 Email: mekosloski@mmm.com Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY Address Line 1: PO BOX 33427 Address Line 4: ST. PAUL, MINNESOTA 55133-3427															
ATTORNEY DOCKET NUMBER:	66011US005														
NAME OF SUBMITTER:	Mycki E. Kosloski														

CH \$40.00 13640514

**Total Attachments: 4**

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**ASSIGNMENT OF APPLICATION**

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

**OPTICAL SHUTTER APPLICABLE IN STEREOSCOPIC VIEWING GLASSES**

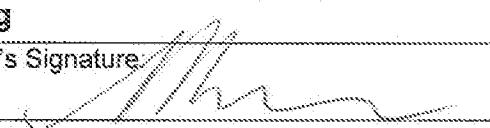
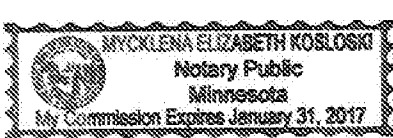
- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
- ☐ for which an application for a United States Patent identified as U.S. Patent Application No. , was filed on ;
- ☒ which application is identified as PCT International Patent Application No. PCT/US2011/034889; filed May 3, 2011;

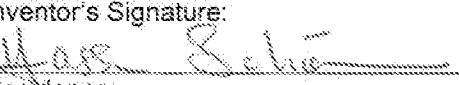
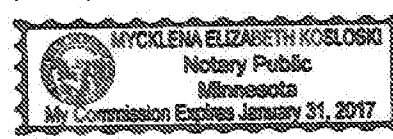
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office 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;

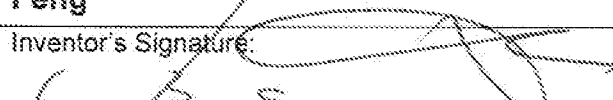
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, 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.

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]): <b>Jiaying</b>		Family Name or Surname: <b>Ma</b>	
Inventor's Signature: 		Date: <b>9-5-2012</b>	
Residence: <b>Cottage Grove, Minnesota</b>		Country: <b>USA</b>	Citizenship: <b>United States of America</b>
STATE OF MINNESOTA ) COUNTY OF RAMSEY ) ss. On this <b>5<sup>th</sup></b> day of <b>September</b> , <b>2012</b> , before me personally appeared the above-named Jiaying Ma, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<b>Mycki Kosloski</b> Notary Public

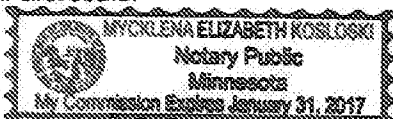
Given Name (first and middle [if any]): <b>Hassan</b>		Family Name or Surname: <b>Sahouani</b>	
Inventor's Signature: 		Date: <b>8/29/12</b>	
Residence: <b>Hastings, Minnesota</b>		Country: <b>USA</b>	Citizenship: <b>United States of America</b>
STATE OF MINNESOTA ) COUNTY OF RAMSEY ) ss. On this <b>29<sup>th</sup></b> day of <b>August</b> , <b>2012</b> , before me personally appeared the above-named Hassan Sahouani, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<b>Mycki Kosloski</b> Notary Public

Given Name (first and middle [if any]): <b>Feng</b>	Family Name or Surname: <b>Bai</b>	
Inventor's Signature: 	Date: <u>9-5-2012</u>	
Residence: <b>Woodbury, Minnesota</b>	Country: <b>USA</b>	Citizenship: <b>United States of America</b>

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF RAMSEY )

On this 5<sup>th</sup> day of September, 2012, before me personally appeared the above-named Feng Bai, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)

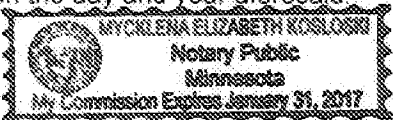


Myckla Kosloski  
Notary Public

Given Name (first and middle [if any]): <b>Vadim N.</b>		Family Name or Surname: <b>Savvateev</b>	
Inventor's Signature: <i>[Signature]</i>		Date: <i>08/29/2012</i>	
Residence: St. Paul, Minnesota		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA )  
                                  ) ss.  
COUNTY OF RAMSEY )

On this 29<sup>th</sup> day of August, 2012, before me personally appeared the above-named Vadim N. Savvateev, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.




(Seal)

*Mycki Kosloski*


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Notary Public

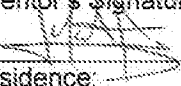
Given Name (first and middle [if any]): <b>Jesus</b>		Family Name or Surname: <b>Ramos</b>	
Inventor's Signature: 		Date: <b>9-19-12</b>	
Residence: <b>Tucson, Arizona</b>		Country: <b>USA</b>	Citizenship: <b>United States of America</b>

STATE OF ARIZONA     )  
COUNTY OF **Pima**     ) ss.

On this **19<sup>th</sup>** day of **September**, **2012**, before me personally appeared the above-named Jesus Ramos, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.


(Seal)  **DANIEL NAVARRETTE**  
NOTARY PUBLIC - ARIZONA  
PIMA COUNTY  
My Commission Expires  
March 20, 2016


  
Notary Public

Given Name (first and middle [if any]): <b>Hugo B.</b>		Family Name or Surname: <b>Montano</b>	
Inventor's Signature: 		Date: <b>9/19/12</b>	
Residence: <b>Tucson, Arizona</b>		Country: <b>USA</b>	Citizenship: <b>United States of America</b>

STATE OF ARIZONA     )  
COUNTY OF **Pima**     ) ss.

On this **19<sup>th</sup>** day of **September**, **2012**, before me personally appeared the above-named Hugo B. Montano, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  **DANIEL NAVARRETTE**  
NOTARY PUBLIC - ARIZONA  
PIMA COUNTY  
My Commission Expires  
March 20, 2016

  
Notary Public