

## 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>Jun-Ying Zhang</td> <td>04/10/2012</td> </tr> <tr> <td>Terry L. Smith</td> <td>04/06/2012</td> </tr> <tr> <td>Bing Hao</td> <td>04/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jun-Ying Zhang	04/10/2012	Terry L. Smith	04/06/2012	Bing Hao	04/06/2012
Name	Execution Date								
Jun-Ying Zhang	04/10/2012								
Terry L. Smith	04/06/2012								
Bing Hao	04/06/2012								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13509504</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13509504				
Property Type	Number								
Application Number:	13509504								
CORRESPONDENCE DATA									
Fax Number:	(651)736-3833								
Phone:	651-733-1500								
Email:	anewhouse@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:	65745US005								
NAME OF SUBMITTER:	Andrea Newhouse								
Total Attachments: 3 source=ExecutedAssignment_65745US005#page1.tif source=ExecutedAssignment_65745US005#page2.tif source=ExecutedAssignment_65745US005#page3.tif									

CH \$40.00 13509504

**ASSIGNMENT OF APPLICATION**

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

<b>TEXTURING SURFACE OF LIGHT-ABSORBING SUBSTRATE</b>
---

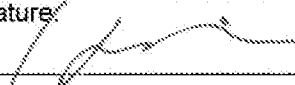
- ☒ for which an application for a United States Patent is being filed contemporaneously herewith;
- ☐ for which an application for a United States Patent identified as U.S. Patent Application No. , was filed on ;
- ☒ which application is identified as PCT International Patent Application No. PCT/US2010/055772; filed November 8, 2010;

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;

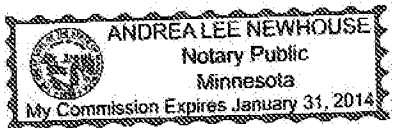

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company,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



Given Name (first and middle [if any]): <b>Bing</b>		Family Name or Surname: <b>Hao</b>	
Inventor's Signature: 		Date: <b>04/06/12</b>	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: People's Republic of China

STATE OF MINNESOTA )  
COUNTY OF RAMSEY ) ss.  
On this 6 day of April, 2012, before me personally appeared the above-named Bing Hao, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)    
Notary Public