

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>Raymond P. Johnston</td> <td>06/19/2012</td> </tr> <tr> <td>Robert L. Brott</td> <td>06/19/2012</td> </tr> <tr> <td>Paul E. Humpal</td> <td>06/26/2012</td> </tr> <tr> <td>Kayla A. Hagens</td> <td>06/19/2012</td> </tr> <tr> <td>Charles N. DeVore</td> <td>06/19/2012</td> </tr> <tr> <td>Karl J.L. Geisler</td> <td>06/19/2012</td> </tr> <tr> <td>Hamid R. Mortazavi</td> <td>06/19/2012</td> </tr> <tr> <td>Wesley A. Raider</td> <td>06/19/2012</td> </tr> <tr> <td>Gary W. Schukar</td> <td>06/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Raymond P. Johnston	06/19/2012	Robert L. Brott	06/19/2012	Paul E. Humpal	06/26/2012	Kayla A. Hagens	06/19/2012	Charles N. DeVore	06/19/2012	Karl J.L. Geisler	06/19/2012	Hamid R. Mortazavi	06/19/2012	Wesley A. Raider	06/19/2012	Gary W. Schukar	06/19/2012
Name	Execution Date																				
Raymond P. Johnston	06/19/2012																				
Robert L. Brott	06/19/2012																				
Paul E. Humpal	06/26/2012																				
Kayla A. Hagens	06/19/2012																				
Charles N. DeVore	06/19/2012																				
Karl J.L. Geisler	06/19/2012																				
Hamid R. Mortazavi	06/19/2012																				
Wesley A. Raider	06/19/2012																				
Gary W. Schukar	06/19/2012																				
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>13466330</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13466330																
Property Type	Number																				
Application Number:	13466330																				
CORRESPONDENCE DATA																					
Fax Number:	(651)736-3833																				
Phone:	651-733-1500																				
Email:	amzontelli@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																				

CH \$40.00 13466330

ATTORNEY DOCKET NUMBER:	69803US002
NAME OF SUBMITTER:	Angela M. Zontelli
Total Attachments: 4 source=AssignmentSigned_69803US002#page1.tif source=AssignmentSigned_69803US002#page2.tif source=AssignmentSigned_69803US002#page3.tif source=AssignmentSigned_69803US002#page4.tif	

ASSIGNMENT OF APPLICATION

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

SOLID STATE LIGHT WITH ALIGNED LIGHT GUIDE AND INTEGRATED VENTED THERMAL GUIDE
--



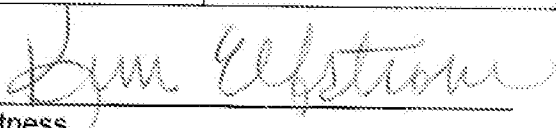
- for which an application for a United States Patent is being filed contemporaneously herewith;
- for which an application for a United States Patent identified as U.S. Patent Application No. 13/466,330, was filed on May 8, 2012;
- which application is identified as PCT international Patent Application No. ; filed ;

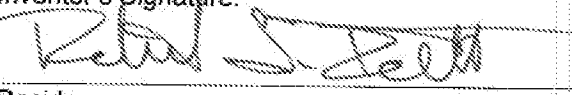
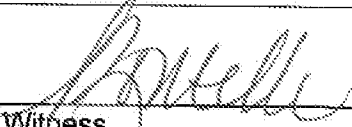

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office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

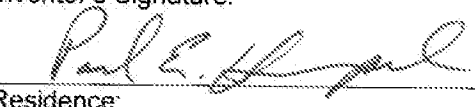

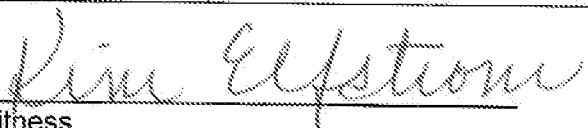
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company,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

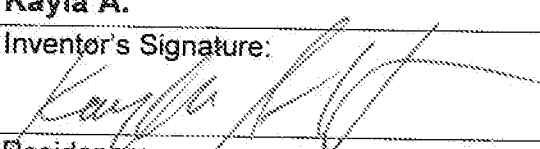
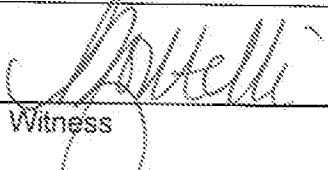
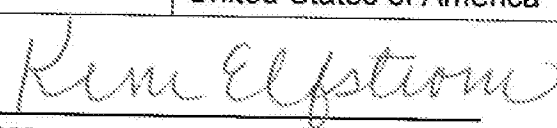
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

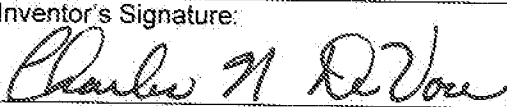
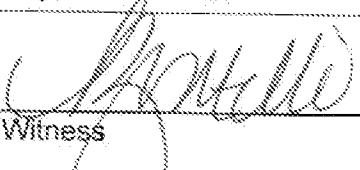
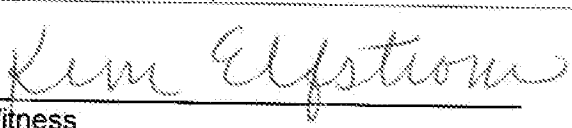
In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

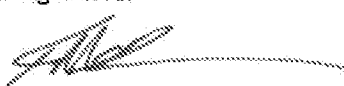

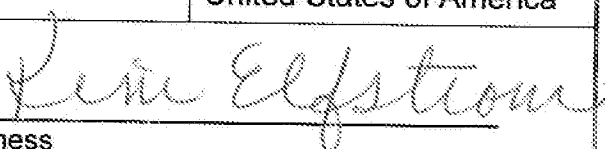
Given Name (first and middle [if any]): Raymond P.		Family Name or Surname: Johnston	
Inventor's Signature: 		Date: 05/19/2012	
Residence: Lake Elmo, Minnesota		Country: USA	Citizenship: United States of America
Witness 		Witness 	

Given Name (first and middle [if any]): Robert L.		Family Name or Surname: Brott	
Inventor's Signature: 		Date: June 19, 2012	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America
Witness 		Witness 	

Given Name (first and middle [if any]): Paul E.		Family Name or Surname: Humpal	
Inventor's Signature: 		Date: 26 June 2012	
Residence: Stillwater, Minnesota		Country: USA	Citizenship: United States of America
Witness 		Witness 	

Given Name (first and middle [if any]): Kayla A.		Family Name or Surname: Hagens	
Inventor's Signature: 		Date: 6/19/12	
Residence: Cottage Grove, Minnesota		Country: USA	Citizenship: United States of America
Witness: 		Witness: 	

Given Name (first and middle [if any]): Charles N.		Family Name or Surname: DeVore	
Inventor's Signature: 		Date: 6/19/12	
Residence: Hugo, Minnesota		Country: USA	Citizenship: United States of America
Witness: 		Witness: 	

Given Name (first and middle [if any]): Karl J.L.		Family Name or Surname: Geisler	
Inventor's Signature: 		Date: 6/19/2012	
Residence: Saint Paul, Minnesota		Country: USA	Citizenship: United States of America
Witness: 		Witness: 	

Given Name (first and middle [if any]): Hamid R.		Family Name or Surname: Mortazavi	
Inventor's Signature: <i>Hamid R. Mortazavi</i>		Date: <i>6/19/2012</i>	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America
Witness <i>[Signature]</i>		Witness <i>Kim Elfstrom</i>	

Given Name (first and middle [if any]): Wesley A.		Family Name or Surname: Raider	
Inventor's Signature: <i>Wesley A. Raider</i>		Date: <i>6-19-2012</i>	
Residence: Hudson, Wisconsin		Country: USA	Citizenship: United States of America
Witness <i>[Signature]</i>		Witness <i>Kim Elfstrom</i>	

Given Name (first and middle [if any]): Gary W.		Family Name or Surname: Schukar	
Inventor's Signature: <i>Gary W. Schukar</i>		Date: <i>6-19-2012</i>	
Residence: North Oaks, Minnesota		Country: USA	Citizenship: United States of America
Witness <i>[Signature]</i>		Witness <i>Kim Elfstrom</i>	