

Case No.: 61015US002

# **RECORDATION FORM COVER SHEET PATENTS ONLY**

To: The Director of the U.S. Patent and Trademark Office:

Please record the attached document(s) or the new address(es) below.

**1. Name of conveying party(ies)**

Duncan, John E.

O'Keefe, Michael W.

Phillips, William E.

Ma, Jiaying

Destain, Patrick R.

**Execution Date(s):**

October 7, 2005

October 7, 2005

October 7, 2005

October 7, 2005

October 6, 2005

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No**2. Name and address of receiving party(ies):****3M Innovative Properties Company****P.O. Box 33427****St. Paul, Minnesota 55133-3427**

Additional name(s) of receiving party(ies) attached?

☐ Yes ☒ No**3. Nature of conveyance:**☒ Assignment☐ Security Agreement☐ Joint Research Agreement☐ Other:☐ Merger☐ Change of Name☐ Government Interest Assignment**4. Application or patent number(s)**☐ This document is being filed together with a new application.**A. Patent Application No(s).**

11/192655

**B. Patent No(s).**Additional Numbers Attached? ☐ Yes ☐ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: George W. Jonas  
Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Phone Number: 651-736-6933  
Fax Number: 651-736-3833

**32692**

Customer Number

**6. Total number of applications and patents involved:****1****7. Total fee (37 CFR §§ 1.21(h) & 3.41):** **\$40.00**☐ Enclosed☒ Authorized to be charged to deposit account**8. Payment Information:****Deposit Account Number: 13-3723****Authorized User Name: George W. Jonas****9. Signature:**

Printed Name of Attorney/Agent:

George W. Jonas

Registration No.: 46,811

Signature

Date

12/13/06

**Pages:** Total number of pages including COVER SHEET, attachments, and documents**4**

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CH \$40.00 133723 11192655

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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

POLARIZING BEAM SPLITTER
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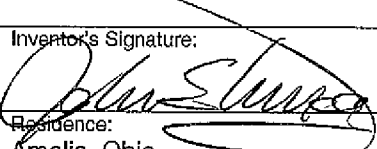
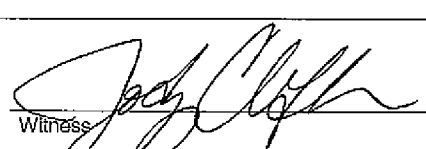

- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;  
☒ for which an application for a United States Patent identified as U.S. Patent Application No. 11/192655; was filed on July 29, 2005;  
☐ which application is identified as PCT International Patent Application No. filed ;


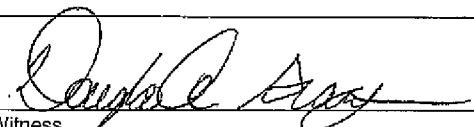
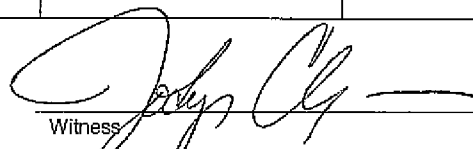
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office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

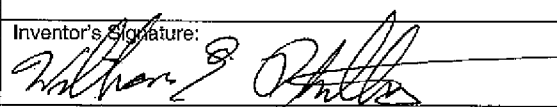
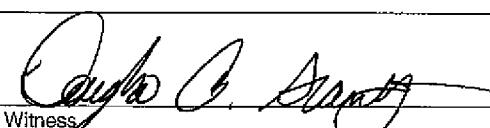
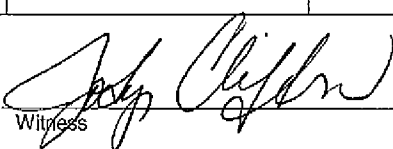
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company,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

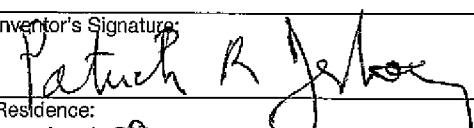
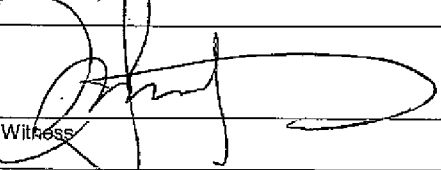
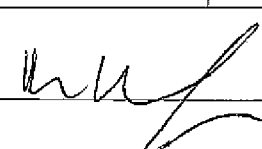
In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): John E.		Family Name or Surname: Duncan	
Inventor's Signature: 		Date: 10-07-05	
Residence: Amelia, Ohio		Country: USA	Citizenship: United States of America
Witness: 		Witness: 	

Given Name (first and middle [if any]): Michael W.		Family Name or Surname: O'Keefe	
Inventor's Signature: 		Date: 10-7-05	
Residence: Cincinnati, Ohio		Country: USA	Citizenship: United States of America
Witness 		Witness 	

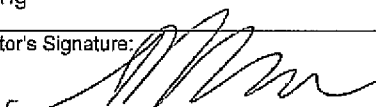
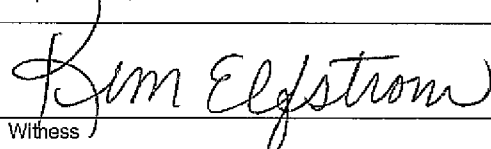
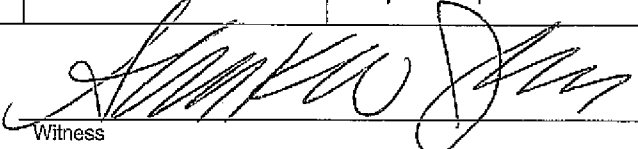
Given Name (first and middle [if any]): William E.		Family Name or Surname: Phillips	
Inventor's Signature: 		Date: 10/7/05	
Residence: Cincinnati, Ohio		Country: USA	Citizenship: United States of America
Witness 		Witness 	

Given Name (first and middle [if any]): Jiaying		Family Name or Surname: Ma	
Inventor's Signature:		Date:	
Residence: Maplewood, Minnesota		Country: USA	Citizenship: People's Republic of China
Witness		Witness	

Given Name (first and middle [if any]): Patrick R.		Family Name or Surname: Destain	
Inventor's Signature: 		Date: 10/06/05	
Residence: Loveland, Ohio		Country: USA	Citizenship: Belgium
Witness 		Witness 	

Given Name (first and middle [if any]): Michael W.		Family Name or Surname: O'Keefe	
Inventor's Signature:		Date:	
Residence: Cincinnati, Ohio		Country: USA	Citizenship: United States of America
<div style="display: flex; justify-content: space-between;"> <div>_____ Witness</div> <div>_____ Witness</div> </div>			

Given Name (first and middle [if any]): William E.		Family Name or Surname: Phillips	
Inventor's Signature:		Date:	
Residence: Cincinnati, Ohio		Country: USA	Citizenship: United States of America
<div style="display: flex; justify-content: space-between;"> <div>_____ Witness</div> <div>_____ Witness</div> </div>			

Given Name (first and middle [if any]): Jiaying		Family Name or Surname: Ma	
Inventor's Signature: 		Date: 10/07/2005	
Residence: Maplewood, Minnesota		Country: USA	Citizenship: People's Republic of China
<div style="display: flex; justify-content: space-between;"> <div> _____ Witness</div> <div> _____ Witness</div> </div>			

Given Name (first and middle [if any]): Patrick R.		Family Name or Surname: Destain	
Inventor's Signature:		Date:	
Residence: Loveland, Ohio		Country: USA	Citizenship: Belgium
<div style="display: flex; justify-content: space-between;"> <div>_____ Witness</div> <div>_____ Witness</div> </div>			

**FACSIMILE**Date: **December 13, 2006**

Number of Pages (including cover sheet) 5

<b>32692</b> Customer Number	<b>Office of Intellectual Property Counsel</b> <b>3M Innovative Properties Company</b> <b>PO Box 33427</b> <b>St. Paul, MN 55133-3427 USA</b>
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To: United States Patent and Trademark Office  
Assignment Recordation Services

Phone: 571-272-3350

Re: U.S. Application No. 11/192655

Fax No. 571-273-0140

From: George W. Jonas

Phone: 651-736-6933

Our Case No.: 61015US002

Fax No. 651-736-3833