

Case No.: 59611US002

# **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)      Execution Date(s):**

Bradley D. Craig	October 15, 2004
Brant U. Kolb	October 15, 2004
Joel D. Oxman	October 15, 2004

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:**

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other:	

**4. Application or patent number(s)**

☐ This document is being filed together with a new application.

**A. Patent Application No(s).**

10/847803

**B. Patent No(s).**

Additional Numbers Attached? ☐ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Sean J. Edman  
Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Phone Number: (651) 575-1796  
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: Sean J. Edman**

**9. Signature:**

Printed Name of Attorney/Agent:

Sean J. Edman

Registration No.: 42,506

Signature

Date

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

**3**

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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CH \$40.00 133723 10847803

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**PATENT**  
**REEL: 015327 FRAME: 0717**

Case No.: 59611US002

**ASSIGNMENT OF APPLICATION**

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

**USE OF NANOPARTICLES TO ADJUST REFRACTIVE INDEX OF DENTAL COMPOSITIONS**

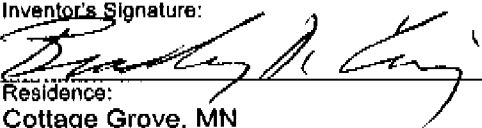
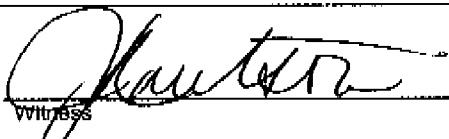
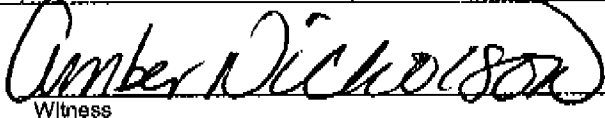
- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;  
☒ for which an application for a United States Patent identified as U.S. Patent Application No. 10/847803; was filed on May 17, 2004;  
☐ which application is identified as PCT International Patent Application No. filed ;

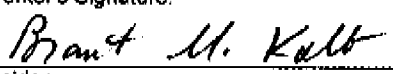
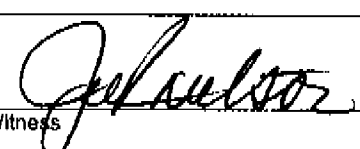
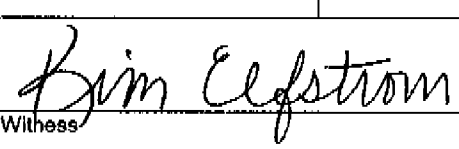
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office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

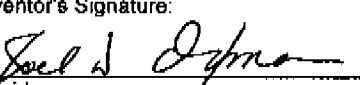
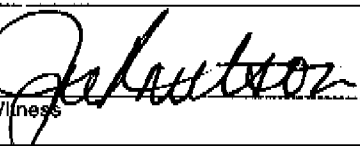
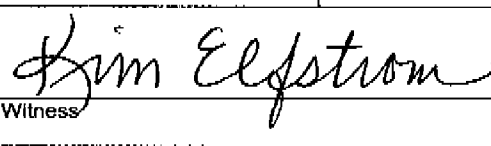
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, 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)): Bradley D.		Family Name or Surname: Craig	
Inventor's Signature: 		Date: 10/15/04	
Residence: Cottage Grove, MN		Country: USA	Citizenship: United States of America
 Witness		 Witness	

Given Name (first and middle [if any]): Brant U.		Family Name or Surname: Kolb	
Inventor's Signature: 		Date: 10/15/04	
Residence: Afton, MN		Country: USA	Citizenship: United States of America
Witness 		Witness 	

Given Name (first and middle [if any]): Joel D.		Family Name or Surname: Oxman	
Inventor's Signature: 		Date: 10/15/04	
Residence: Minneapolis, MN		Country: USA	Citizenship: United States of America
Witness 		Witness 	

Given Name (first and middle [if any]): Robert F.		Family Name or Surname: Peez	
Inventor's Signature:		Date:	
Residence: Germering, Germany		Country: Germany	Citizenship: German
Witness		Witness	

Given Name (first and middle [if any]): Sybille S.		Family Name or Surname: Frank	
Inventor's Signature:		Date:	
Residence: Seefeld, Germany		Country: Germany	Citizenship: German
Witness		Witness	