

01-19-2005

Case No.: 60346US002

RE



EET

102922125

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):**

DAVIDSON, Robert S.      December 30, 2004  
 KOLB, Brant U.      December 30, 2004  
 ANDERSON, Danny B.      December 30, 2004  
 HIGGINS, James A.      December 30, 2004  
 HENDRICKSON, Mark J.      December 30, 2004  
 BRADY, John T.      December 30, 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:**

Assignment       Merger  
 Security Agreement       Change of Name  
 Other:

**4. Application or patent number(s)**       This document is being filed together with a new application.

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

Additional Numbers Attached?  Yes  No

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

Name: Jean A. Lown  
 Office of Intellectual Property Counsel  
 3M Innovative Properties Company  
 Phone Number: (651) 733-3169  
 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: Jean A. Lown**

**9. Signature:**

Printed Name of Attorney/Agent: Jean A. Lown      Jean A Lown      DECEMBER 30, 2004  
 Registration No.: 48,428      Signature      Date

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment-Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

12-30-04

112904 U.S. PTO  
11/027426



123004

**ASSIGNMENT OF APPLICATION**

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

ZIRCONIA PARTICLES

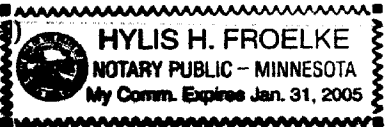
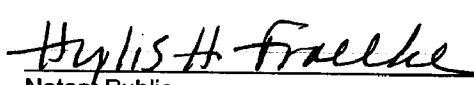
- for which an application for a United States Patent is being filed contemporaneously herewith;
- for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
- which application is identified as PCT International Patent Application No. filed ;

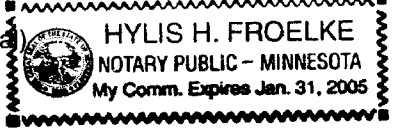
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office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

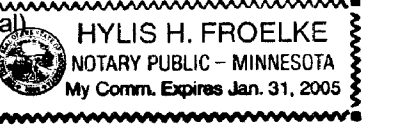
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company,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

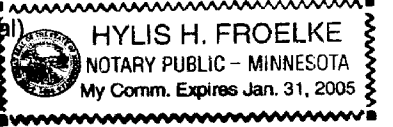
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

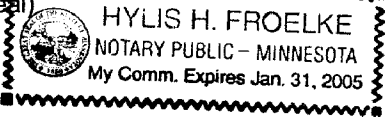
In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

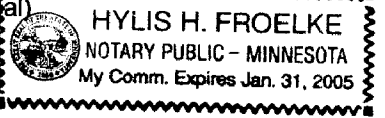
Given Name (first and middle [if any]): Robert S.		Family Name or Surname: DAVIDSON	
Inventor's Signature: <i>Robert S. Davidson</i>		Date: 12/30/04	
Residence: Edina, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA    ) ) ss. COUNTY OF RAMSEY    ) On this <u>30<sup>th</sup></u> day of <u>December</u> <u>2004</u> , before me personally appeared the above-named Robert S. DAVIDSON, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
<div style="border: 1px solid black; padding: 2px;">  </div>		<div style="border: 1px solid black; padding: 2px;">                       Notary Public                 </div>	

Given Name (first and middle [if any]): Brant U.		Family Name or Surname: KOLB	
Inventor's Signature: <i>Brant U. Kolb</i>		Date: 12/30/04	
Residence: Afton, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>30<sup>th</sup></u> day of <u>December</u> <u>2004</u> , before me personally appeared the above-named Brant U. KOLB, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		<i>Hylis H. Froelke</i> Notary Public	

Given Name (first and middle [if any]): Danny B.		Family Name or Surname: ANDERSON	
Inventor's Signature: <i>Danny B. Anderson</i>		Date: 12/30/04	
Residence: North St. Paul, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>30<sup>th</sup></u> day of <u>December</u> <u>2004</u> , before me personally appeared the above-named Danny B. ANDERSON, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		<i>Hylis H. Froelke</i> Notary Public	

Given Name (first and middle [if any]): James A.		Family Name or Surname: HIGGINS	
Inventor's Signature: <i>James A. Higgins</i>		Date: 12-30-04	
Residence: River Falls, Wisconsin		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>30<sup>th</sup></u> day of <u>December</u> <u>2004</u> , before me personally appeared the above-named James A. HIGGINS, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		<i>Hylis H. Froelke</i> Notary Public	

Given Name (first and middle [if any]): Mark J.		Family Name or Surname: HENDRICKSON	
Inventor's Signature: <i>Mark J. Hendrickson</i>		Date: <i>12/30/04</i>	
Residence: Minneapolis, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>30<sup>th</sup></u> day of <u>December</u> <u>2004</u> , before me personally appeared the above-named Mark J. HENDRICKSON, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)  HYLIS H. FROELKE NOTARY PUBLIC - MINNESOTA My Comm. Expires Jan. 31, 2005		<u><i>Hylis H. Froelke</i></u> Notary Public	

Given Name (first and middle [if any]): John T.		Family Name or Surname: BRADY	
Inventor's Signature: <i>John T. Brady</i>		Date: <i>12/30/04</i>	
Residence: Lino Lakes, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>30<sup>th</sup></u> day of <u>December</u> <u>2004</u> , before me personally appeared the above-named John T. BRADY, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)  HYLIS H. FROELKE NOTARY PUBLIC - MINNESOTA My Comm. Expires Jan. 31, 2005		<u><i>Hylis H. Froelke</i></u> Notary Public	