

Case No.: 61381US007

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

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<b>1. Name of conveying party(ies)</b> <u>Execution Date(s):</u>  David B. Olson      November 2, 2006 Clinton L. Jones      November 2, 2006 Brant U. Kolb      November 2, 2006 Emily S. Goenner      November 13, 2006 Mark J. Hendrickson      November 2, 2006 Taun L. McKenzie      November 2, 2006  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies):</b>  <b>3M Innovative Properties Company</b> <b>P.O. Box 33427</b> <b>St. Paul, Minnesota 55133-3427</b>  Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Other:			
<b>4. Application or patent number(s)</b> <input type="checkbox"/> This document is being filed together with a new application.  <table border="1"> <tr> <td> <b>A. Patent Application No(s).</b>   <div style="font-size: 2em; font-family: cursive;">11/559543</div> </td> <td> <b>B. Patent No(s).</b>   </td> </tr> </table> Additional Numbers Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>A. Patent Application No(s).</b>  <div style="font-size: 2em; font-family: cursive;">11/559543</div>	<b>B. Patent No(s).</b>  
<b>A. Patent Application No(s).</b>  <div style="font-size: 2em; font-family: cursive;">11/559543</div>	<b>B. Patent No(s).</b>  		
<b>5. Name and address to whom correspondence concerning document should be mailed:</b>  Name: Carolyn A. Fischer Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 651-575-3915 Fax Number: 651-736-3833  <div style="text-align: center; font-size: 1.5em;">32692</div> Customer Number	<b>6. Total number of applications and patents involved:</b> <b>1</b>  <b>7. Total fee (37 CFR §§ 1.21(h) &amp; 3.41):</b> <b>\$40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Payment Information:</b> <b>Deposit Account Number: 13-3723</b> <b>Authorized User Name: Carolyn A. Fischer</b>		
<b>9. Signature:</b> Printed Name of Attorney/Agent: Carolyn A. Fischer Registration No.: 39,091 <div style="display: flex; justify-content: space-between;"> <div style="border-top: 1px solid black; width: 300px;"> <i>Carolyn A. Fischer</i>  <small>Signature</small> </div> <div style="border-top: 1px solid black; width: 150px;">         11-14-06  <small>Date</small> </div> </div>			
<b>Pages:</b> Total number of pages including COVER SHEET, attachments, and documents <b>5</b>			

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CH \$40.00 133723 11559543

700297201

**PATENT**  
**REEL: 018527 FRAME: 0050**

Case No.: 61381US007

**ASSIGNMENT OF APPLICATION**

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

BRIGHTNESS ENHANCING FILM AND METHOD OF SURFACE TREATING INORGANIC NANOPARTICLES
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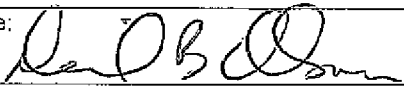
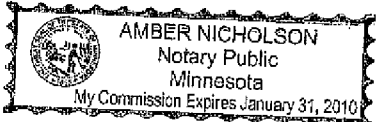

- ☒ for which an application for a United States Patent is being filed Via EFS-Web;
- ☐ for which an application for a United States Patent identified as U.S. Patent Application No. ;  
was filed on ;
- ☐ which application is identified as PCT International Patent Application No. ; filed ;

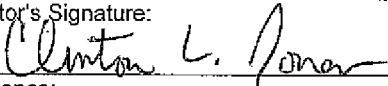
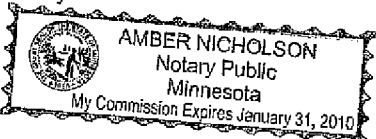

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office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

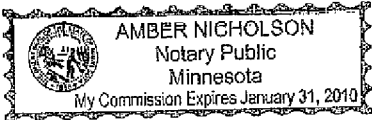
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company,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

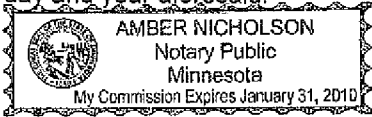
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

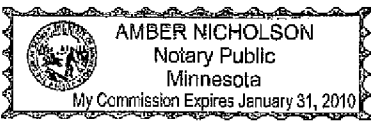
In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

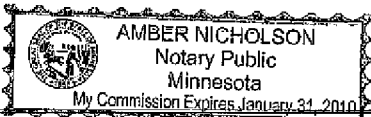
Given Name (first and middle [if any]): David B.		Family Name or Surname: Olson	
Inventor's Signature: 		Date: 11/02/06	
Residence: Marine on St. Croix, MN		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>2nd</u> day of <u>November</u> , <u>2006</u> , before me personally appeared the above-named David B. Olson, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		 Notary Public	

Given Name (first and middle [if any]): Clinton L.		Family Name or Surname: Jones	
Inventor's Signature: 		Date: 11/02/06	
Residence: Somerset, WI		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <u>2nd</u> day of <u>November</u> , <u>2006</u> , before me personally appeared the above-named Clinton L. Jones, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		 Notary Public	

Given Name (first and middle [if any]): Brant U.		Family Name or Surname: Kolb	
Inventor's Signature: <i>Brant U. Kolb</i>		Date: <i>11/02/06</i>	
Residence: Afton, MN	Country: USA	Citizenship: United States of America	
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <i>2nd</i> day of <i>November</i> <i>2006</i> , 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>Amber Nicholson</i> Notary Public		

Given Name (first and middle [if any]): Emily S.		Family Name or Surname: Goenner	
Inventor's Signature: <i>Emily S.</i>		Date: <i>11/13/06</i>	
Residence: Shoreview, MN	Country: USA	Citizenship: United States of America	
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <i>13th</i> day of <i>November</i> <i>2006</i> , before me personally appeared the above-named Emily S. Goenner, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)	 <i>Amber Nicholson</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>11/02/06</i>	
Residence: Minneapolis, MN		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <i>2nd</i> day of <i>November</i> <i>2006</i> , 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)		 <i>Amber Nicholson</i> Notary Public	

Given Name (first and middle [if any]): Taun L.		Family Name or Surname: McKenzie	
Inventor's Signature: <i>Taun L. McKenzie</i>		Date: <i>11/02/06</i>	
Residence: Hugo, MN		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY ) On this <i>2nd</i> day of <i>November</i> <i>2006</i> , before me personally appeared the above-named Taun L. McKenzie, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		 <i>Amber Nicholson</i> Notary Public	

DUPLICATE

Case No.: 61381US007

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David B. Olson	November 2, 2006
Clinton L. Jones	November 2, 2006
Brant U. Kolb	November 2, 2006
Emily S. Goenner	November 13, 2006
Mark J. Hendrickson	November 2, 2006
Taun L. McKenzie	November 2, 2006

Additional name(s) of conveying 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"/> Joint Research Agreement | <input type="checkbox"/> Government Interest Assignment |
| <input type="checkbox"/> Other:                   |   |

**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

DUPLICATE

**4. Application or patent number(s)**☐ This document is being filed together with a new application.**A. Patent Application No(s).**

11/559543

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

Name: Carolyn A. Fischer  
 Office of Intellectual Property Counsel  
 3M Innovative Properties Company  
 Phone Number: 651-575-3915  
 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: Carolyn A. Fischer

**9. Signature:**

Printed Name of Attorney/Agent:  
 Carolyn A. Fischer  
 Registration No.: 39,091

*Carolyn A. Fischer* 11-14-06  
 Signature Date

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

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**PATENT**  
**REEL: 018527 FRAME: 0055**

**FACSIMILE**Date: **November 14, 2006**Number of Pages (including cover sheet) **87**

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