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6/8/99

07-21-1999

Docket No. 53081USA1A

**PATENT ASSIGNMENT REC**

To the Honorable Commissioner of P

Please record the attached original d



101125036

Vertical stamp: JC135 U.S. PTO  
09/328070  
06/08/99

1. Name of conveying party(ies):

MINNESOTA MINING AND  
MANUFACTURING COMPANY

2. Name and address of receiving party(ies)

3M Innovative Properties Company  
P.O. Box 33427  
St. Paul, Minnesota 55133-3427

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance: ☒ Assignment

Execution Date(s): April 26, 1999  
and April 27, 1999

FILE

4. Application number or patent number:

☐ This document is being filed with a new patent application on  
☒ This document is to be recorded against the following patent application or patent: 08/780,610.

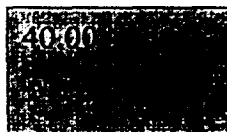
5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
P.O. Box 33427  
St. Paul, Minnesota 55133-3427

6. Total number of applications  
and patents involved:

1

x \$40.00



7. Total fee (37 CFR 3.41)...\$40.00. Please  
charge it to Deposit Account No. 13-3723

**DO NOT USE THIS SPACE**

8. Statement and signature.

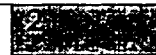
To the best of my knowledge and belief, the foregoing information is true and correct and any attached  
copy is a true copy of the original document.

Matthew B. McNutt  
Printed Name of Attorney

[Signature]  
Signature

May 25, 1999  
Date

Total number of pages including cover sheet, attachments, and document:



Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

c:\jmicpo\forms and samples\assignment recordation cover sheet.doc 4/18/99

## ASSIGNMENT

We, ASSIGNOR: MINNESOTA MINING AND MANUFACTURING COMPANY  
 of: PO Box 33427  
 St. Paul, Minnesota 55133-3427  
 United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we are the owner of all right, title and interest in and to the following Patent Application(s) or letters Patents(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Patent(s) and /or Patent Application(s):

Patent Application or Patent Number  
 U.S. Serial No. 08/780,610

Filing Date or Issue Date  
 Filed January 8, 1997

We do hereby, for good and valuable consideration, effective as of April 1, 1999 received, sell, assign and transfer unto:

ASSIGNEE: 3M INNOVATIVE PROPERTIES COMPANY  
 of: PO Box 33427  
 St. Paul, Minnesota 55133-3427  
 United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America, our entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s), and consent to the recordal of this Assignment.

ASSIGNOR  
 Subscribed and Sworn by us:  
 At St. Paul, Minnesota 55133-3427  
 this 26th day of April, 1999.

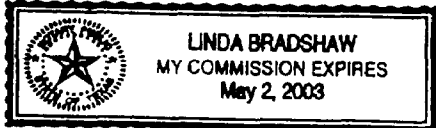
MINNESOTA MINING AND  
 MANUFACTURING COMPANY

By: [Signature]  
 Name: Gerald F. Chernivec  
 Its: Assistant Chief Intellectual  
 Property Counsel

Subscribed and sworn to before me this  
26th day of April, 1999.

[Signature]

Notary Public



ASSIGNEE  
 Accepted by us:  
 At St. Paul, Minnesota 55133-3427  
 this 27th day of April, 1999.

3M INNOVATIVE PROPERTIES  
 COMPANY

By: [Signature]  
 Name: Gary L. Griswold  
 Its: President and Chief Intellectual  
 Property Counsel

Subscribed and sworn to before me this  
27th day of April, 1999.

[Signature]

Notary Public



ASSIGNMENT

Whereas We, the below named inventors, with residences and citizenships as indicated below; have made an invention in

**CERAMIC FIBER OPTIC CURRENT SENSOR**

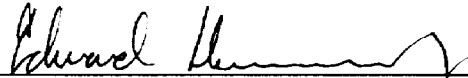
and have executed an application for Letters Patent of the United States of America based thereon; which application is identified in the United States Patent and Trademark Office as U.S. Application Serial No. 08/780,610, filed January 8, 1997;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto the MINNESOTA MINING AND MANUFACTURING COMPANY (sometimes designated as the Minnesota Mining & Manufacturing Company), 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 us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the said Company of whichever of us, solely or jointly with one or more others, has made the same), 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 us or any of us had this assignment and transfer not been made,

We do further agree for ourselves and for 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 we lawfully may, that may be deemed necessary by the 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 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 the said Minnesota Mining and Manufacturing Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the days and years set forth below.



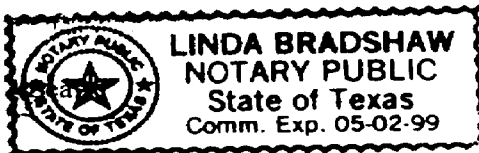
Edward Hernandez

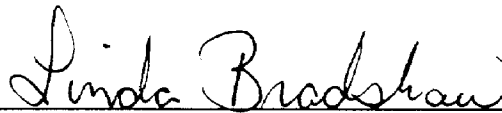
Residence: City of Austin, County of Travis, Texas

Citizenship: United States of America

STATE OF TEXAS                    )  
  ) ss.  
COUNTY OF TRAVIS

On this 23<sup>rd</sup> day of April 1997, before me personally appeared the above-named Edward Hernandez, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.





Notary Public

Trevor Wayne MacDougall  
Trevor Wayne MacDougall  
Residence: City of Simsbury, County of Hartford, Connecticut  
Citizenship: United States of America

STATE OF CONNECTICUT )  
COUNTY OF Hartford )

ss. Simsbury

On this 4<sup>th</sup> day of April 1997, before me personally appeared the above-named, Trevor Wayne MacDougall personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

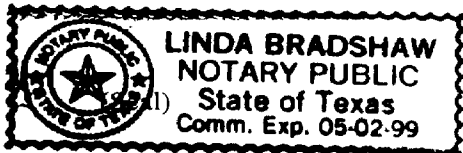
(Seal)

Kathleen S. Axelrod  
KATHLEEN S. AXELROD  
Notary Public, State of Connecticut  
My Commission Expires 3/31/2001  
Notary Public

John Anthony Valenti  
John Anthony Valenti  
Residence: City of Round Rock, County of Williamson, Texas  
Citizenship: United States of America

STATE OF TEXAS )  
COUNTY OF TRAVIS ) ss.

On this 18<sup>th</sup> day of April 1997, before me personally appeared the above-named, John Anthony Valenti personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

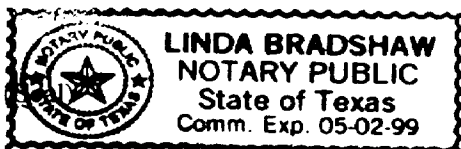


Linda Bradshaw  
Notary Public

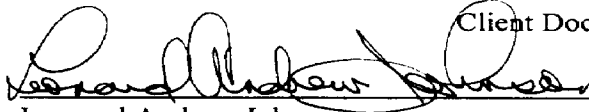
Jay Walter Dawson  
Jay Walter Dawson  
Residence: City of Round Rock, County of Williamson, Texas  
Citizenship: United States of America

STATE OF TEXAS )  
COUNTY OF TRAVIS ) ss.

On this 18<sup>th</sup> day of April 1997 before me personally appeared the above-named Jay Walter Dawson, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.



Linda Bradshaw  
Notary Public

  
\_\_\_\_\_  
Leonard Andrew Johnson

Residence: City of Austin, County of Travis, Texas  
Citizenship: United States of America

STATE OF TEXAS            )  
                                      ) ss.  
COUNTY OF TRAVIS        )

On this 16<sup>th</sup> day of April 1997, before me personally appeared the above-named Leonard Andrew Johnson, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

(Seal)



  
\_\_\_\_\_  
Linda Bradshaw

Notary Public