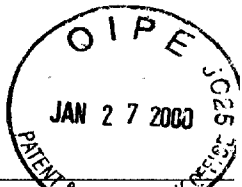


1/27/00



02-29-2000



ocket No. 54947USA4A

PATENT ASSIGNMENT RECORDATION 101276118

To: The Commissioner of Patents and Trademarks:
Please record the attached original document or copy thereof.

Submission Type: <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation): Document ID# <input type="checkbox"/> Correction of PTO Error: Reel # _____ Frame # <input type="checkbox"/> Corrective Document: Reel # _____ Frame #	Conveyance Type: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Other:
Name of conveying party(ies) Kenneth A. Epstein Robert J. Fleming Timothy J. Gardner Christopher S. Lyons Stephen P. Maki Mark D. Nachbor	Name and address of receiving party(ies): 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427
Execution Date (Month/Day/Year) 1/12/00 1/6/00 1/11/00 1/5/00 1/20/00 1/4/00	
Additional names of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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: 09/425,765

Patent Cooperation Treaty (PCT):
 Enter PCT application number only if a U.S. Application Number has not been assigned:

Name and address of party to whom correspondence concerning document should be mailed:
 Name: William D. Miller, Phone Number: 651/733-6649
 Office of Intellectual Property Counsel
 3M Innovative Properties Company
 P.O. Box 33427
 St. Paul, Minnesota 55133-3427

Number of Properties: Enter the total number of properties involved	1
Fee Amount: Fee Amount for Properties Listed (37 CFR 3.41)	X \$40.00
Method of Payment: <input checked="" type="checkbox"/> Charge to Deposit Account No. <u>13-3723</u> Authorization to charge additional fees: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	= \$40.00

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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. Charges to deposit account are authorized, as indicated herein.

William D. Miller Printed Name of Attorney	 Signature	January 20, 2000 Date
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Pages:
 Total number of pages of the attached conveyance document including any attachments 4

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

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02/25/2000 TTDN11 00000217-133723 09425765

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PATENT
REEL: 010566 FRAME: 0156

ASSIGNMENT

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

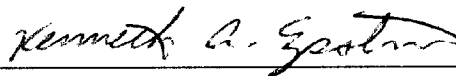
DISPLAY APPARATUS WITH CORROSION-RESISTANT LIGHT DIRECTING FILM

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. 09/425,765, filed 10/22/99;

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 3M INNOVATIVE PROPERTIES COMPANY, a wholly owned subsidiary of MINNESOTA MINING AND MANUFACTURING 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 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 Minnesota Mining and Manufacturing Company and any of its existing or future subsidiaries 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 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.



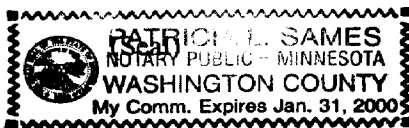
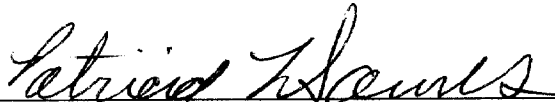
Kenneth A. Epstein
Residence: St. Paul, MN USA
Citizenship: U.S.A.

STATE OF MINNESOTA)

) ss.

COUNTY OF RAMSEY)

On this 12th day of January 2000, before me personally appeared the above-named Kenneth A. Epstein, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

Notary Public

Robert J. Fleming
 Robert J. Fleming
 Residence: Lake Elmo, MN USA
 Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 6th day of January 2000, before me personally appeared the above-named Robert J. Fleming, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.



Patricia L. Sames

Notary Public

Timothy J. Gardner

Timothy J. Gardner
 Residence: Inver Grove Heights, MN USA
 Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 11th day of January 2000, before me personally appeared the above-named Timothy J. Gardner, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.



Patricia L. Sames

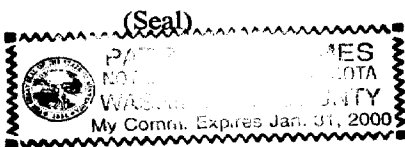
Notary Public

Christopher S. Lyons

Christopher S. Lyons
 Residence: St. Paul, MN USA
 Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 5th day of January 2000, before me personally appeared the above-named Christopher S. Lyons, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.



Patricia L. Sames

Notary Public

Stephen P. Maki

Stephen P. Maki

Residence: North St. Paul, MN USA

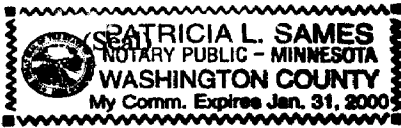
Citizenship: U.S.A.

STATE OF MINNESOTA)

) ss.

COUNTY OF RAMSEY)

On this 20th day of January, 2000, before me personally appeared the above-named Stephen P. Maki, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

Patricia L. Sames

Notary Public

Mark D. Nachbor

Mark D. Nachbor

Residence: Plymouth, MN USA

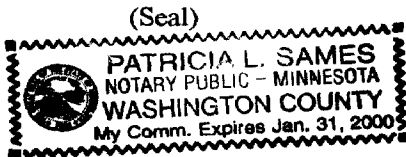
Citizenship: U.S.A.

STATE OF MINNESOTA)

) ss.

COUNTY OF RAMSEY)

On this 4th day of January, 2000, before me personally appeared the above-named Mark D. Nachbor, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

Patricia L. Sames

Notary Public