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| Submission Type: | | Conveyance Type: | |
| ⊠ New | | | |
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| Document ID# | <i>'</i> | _ 6 | |
| Correction of PTO Error: Reel | # Frame # | Other: | |
| Corrective Document: Reel # | Frame # | | |
| Name of conveying party(ies) | Execution Date | N. 1.11 | |
| | (Month/Day/Year) | Name and address of receiving | ng party(1 |
| Cronk, Bryon J. | 10/05/2000 | 2M I C | |
| MacDougall, Trevor W. | 10/06/2000 | 3M Innovative Properties Co | ompany |
| David, Moses M. | 10/06/2000 | P.O. Box 33427 | 127 |
| Gates, Brian J. | 10/05/2000 | St. Paul, Minnesota 55133-3 | 427 |
| Nelson, Brian K. | 10/06/2000 | | |
| Brennan III, James F. | 10/05/2000 | | |
| | | | |
| Additional names of conveying pa | rty(ies) attached? | | |
| | ⊠ No Î | | |
| Application number or patent nu | umber: | | |
| This document is being filed w | | ation on | |
| | | patent application or patent: 09/519 | 447 |
| Patent Cooperation Treaty (PC) | | partial of patents 07/517 | · · · · · |
| Enter PCT application number onl | | Number has not been assigned: | |
| | | oncerning document should be ma | vilad. |
| P.O. Box 33427 St. Paul, Minnesota 55133-342 | 27 | | |
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| | Enter the tota | al number of properties involved | 1 |
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| | Fee Amount for | Properties Listed (37 CFR 3.41) | X \$40.00 |
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PATENT

REEL: 011198 FRAME: 0126

ASSIGNMENT

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

RADIATION-TRANSMISSIVE FILMS ON GLASS ARTICLES

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. 09/519,447, filed March 5, 2000;

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.

Bryon James Cronk

Residence: Round Rock, Texas, U.S.A. Citizenship: United States of America

STATE OF TEXAS

COUNTY OF TRAVIS

day of Cotaler 2000, before me personally appeared the above-named Bryon James Cronk, 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.

MARILYN SHANAHAN-LODER MY COMMISSION EXPIRES May 11, 2001

Macilya Krahan Kader

PATENT

m-j/061198

| | Trevor Wayne MacDougall Residence: Simsbury, Connecticut, U.S.A | ١. |
|---|---|--------------------------|
| TATE OF CONDUCTIONS | Citizenship: United States of America | |
| STATE OF CONNECTICUT)) ss. | | |
| COUNTY OF) | | |
| appeared the above-named Trevor Varies the person described in and who exe | Wayne MacDougall, personally known by me, cuted the foregoing instrument, and who acknowee act and deed, on the day and year aforesaid. | and known by me to be |
| (Seal) | | Notory Dublic |
| | | Notary Public |
| | Moss M. Dand | Oct 6,2000 |
| STATE OF MINNESOTA) | Moses Mekala David Residence: Woodbury, Minnesota, U.S.A Citizenship: India | ۲. |
| appeared the above-named Moses! person described in and who execu executed the same as said person's fr | Mekala David, personally known by me, and ted the foregoing instrument, and who acknown ee act and deed, on the day and year aforesaid. | known by me to be the |
| (Seal) | Thylling soellche | Notary Public |
| PHYLLIS J. BOETTCHER NOTARY PUBLIC MINNESOTA My Comm. Expires Jan. 31 2005 | Brian John Gates Residence: Eagan, Minnesota, U.S.A. Citizenship: United States of America | de 5 |
| STATE OF MINNESOTA) | Citizensing. Officer States of America | |
|) ss. COUNTY OF RAMSEY) | | |
| appeared the above-named Brian Jo described in and who executed the f | hn Gates, personally known by me, and known foregoing instrument, and who acknowledged to deed, on the day and year aforesaid. | n by me to be the person |
| (Seal) | Phyllia J. Bottche | Notes Palife |
| PHYLLIS J. BOETTCHER NOTARY PUBLIC MINNESOTA | | Notary Public |

Page 2

PATENT REEL: 011198 FRAME: 0128

Trevor Wayne MacDougall Residence: Simsbury, Connecticut, U.S.A. Citizenship: United States of America STATE OF CONNECTICUT) COUNTY OF New Haven's s. Walling Ford On this 6 day of 00 to 6, 200, 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 said person executed the same as said person's free act and deed, on the day and year aforesaid. Notary Public Notary Public (Seal) My Comm. Exp. Nov. 30, 2002 Moses Mekala David Residence: Woodbury, Minnesota, U.S.A. Citizenship: India STATE OF MINNESOTA) COUNTY OF RAMSEY On this _____ day of _____, ____, before me personally appeared the above-named Moses Mekala David, 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. (Seal) Notary Public Brian John Gates Residence: Eagan, Minnesota, U.S.A. Citizenship: United States of America STATE OF MINNESOTA COUNTY OF RAMSEY day of ______, ____, before me personally appeared the above-named Brian John Gates, 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. (Seal) Notary Public

Page 2

PATENT REEL: 011198 FRAME: 0129

Docket No. 55331USA8A.002

| | | 15 cc | umel | 0/6/00 |
|---------------------------|--------------|-------------------|---------------------------|-------------------------------|
| | | Brian Kennet | h Nelson | |
| | | | Shoreview, Minnesota, | |
| | | Citizenship: | United States of Americ | a |
| STATE OF MINNESOTA | () | | | |
| |) ss. | | | |
| COUNTY OF RAMSEY | κ | \sim 1 4 | _1 | _ |
| On this 67 | day | of OCE | over o | 2000, before me personally |
| | | · • | - | , and known by me to be the |
| | | | | cknowledged that said person |
| executed the same as said | person's rre | e act and deed, o | on the day and year afore | esaid. |
| | | | | |
| | | | | |
| Seal) | | Shull | les J. Brett | cher |
| | | | | Notary Public |
| = | **** | · | | |
| PHYLLIS J BOFT | TCHED } | | | |
| NOTARY PUBLIC MIN | MEGOTA E | | | |
| My Comm. Expires Jan. | 31 2005 ₹ | | | |
| • | ······ | | | |
| | | | | |
| | | | | |
| | | James Franci | | |
| | | | Austin, Texas, U.S.A. | |
| | | Citizenship: | United States of Americ | a |
| STATE OF TEXAS |) | | | |
| |) ss. | | | |
| COUNTY OF TRAVIS |) | | | |
| On this | day | of | | , before me personally |
| appeared the above-name | d James Fra | ncis Brennan III | , personally known by n | ne, and known by me to be the |
| person described in and | who execute | ed the foregoing | ; instrument, and who a | cknowledged that said person |
| executed the same as said | person's fre | e act and deed, o | on the day and year afore | esaid. |
| | | | | |
| | | | | |
| | | | | |
| (Seal) | | | | |
| | | | | Notary Public |
| | | | | |
| | | | | |

| | Brian Kenneth Nelson | |
|---|--|-----------------------|
| | Residence: Shoreview, Minnesota, U.S.A. | |
| STATE OF MINNESOTA) | Citizenship: United States of America | |
|) ss. | | |
| COUNTY OF RAMSEY) | | |
| On this day | of,, | before me personally |
| person described in and who executed | neth Nelson, personally known by me, and lead the foregoing instrument, and who acknow act and deed, on the day and year aforesaid. | |
| (Seal) | | Notary Public |
| | James Francis Brennan III Residence: Austin, Texas, U.S.A. Citizenship: United States of America | sau J |
| STATE OF TEXAS)) ss. | | |
| COUNTY OF TRAVIS) | of Calabee 2000. | before me personally |
| appeared the above-named James France person described in and who executed | cis Brennan III, personally known by me, and the foregoing instrument, and who acknow act and deed, on the day and year aforesaid. | known by me to be the |
| MARILYN SHANAHAN-LODER (Stal) MY COMMISSION EXPIRES May 11, 2001 | Marilyn Frank, | Notary Public |

Page 5

PATENT REEL: 011198 FRAME: 0131

RECORDED: 10/17/2000