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11-09-1999



Docket No. 54795USA7A

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| To: The Commissioner of Patents a | | | | |
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| Submission Type: | | Conveyance Type: | | |
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| Resubmission (Non-Recordation): | | ★ Assignment | | |
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| Correction of PTO Error: Reel | · · · | Other: | | |
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| Name of conveying party(ies) Execution Date (Month/Day/Year) | | Name and address of receivi | ng party(ies): | |
| | (Month Day I cal) | | | |
| Kenneth F. Tredinnick | 8/5/99 | 3M Innovative Properties Co | mpany | |
| George D.G. Hilling | 7/30/99 | P.O. Box 33427 | | |
| Russell E. Blette | 7/30/99 | St. Paul, Minnesota 55133-3 | 427 | |
| Russen E. Diette | 1130133 | | | |
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| Additional names of conveying party(ies) attached? | | | | |
| 1 <u> </u> | ₫ No´ | | | |
| Application number or patent nu | mber: | | | |
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| This document is to be recorded | | patent application or patent: 09/324 | <u>,208</u> | |
| Patent Cooperation Treaty (PCT Enter PCT application number only | | umber has <u>not</u> been assigned: | | |
| Name and address of party to wh | | | ailed: | |
| Name: Lisa M. McGeehan, Pl | one Number: 651-733- | 9547 | | |
| Office of Intellectual Property | | | | |
| 3M Innovative Properties Com | | | | |
| P.O. Box 33427 | | | | |
| St. Paul, Minnesota 55133-342 | 7 | | | |
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| Lisa M. McGeehan | | | | |
| Printed Name of Attorney | Signature | Date | | |
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| To: The Commissioner of Patents a | | | | |
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| | | 3M Innovative Prop | autica Company | |
| Kenneth F. Tredinnick | 8/5/99 | P.O. Box 33427 | bernes Company | |
| George D.G. Hilling | 7/30/99 | St. Paul, Minnesota | 55133_3427 | |
| Russell E. Blette | 7/30/99 | St. I aui, Minnesota | 33133-3427 | |
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| Enter PCT application number only Name and address of party to who | | | | |
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| Name: Lisa M. McGeehan, Ph | | 1547 | | |
| Office of Intellectual Property C | | | | |
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| P.O. Box 33427 St. Paul, Minnesota 55133-3427 | 7 | | | |
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| Lisa M. McGeehan | | | por J. 1777 | |
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PATENT REEL: 010362 FRAME: 0728

ASSIGNMENT

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

Muffler With Acoustic Barrier Material For Limited Clearance Pneumatic Device Applications 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. 09/324,208, filed June 2, 1999;

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 F. Tredinnick
Residence: Vadnais Heights, Minnesota, U.S.A.
Citizenship: United States

STATE OF MINNESOTA)

Ss.

CCUNTY OF RAMSEY)

On this 56 day of 6 1919, before me personally appeared the above-named Kenneth F. Tredinnick, 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.

SeaJOYCE M. COURTNEY
NOTARY PUBLIC-MINNESOTA
My Commission Expires Jan. 31, 2000

Joyce M. Courtney
Notary Public

George D.G. Hilling Residence: Roseville, Minnesota, U.S.A. Citizenship: United States STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY 1923, before me personally day of On this appeared the above-named George D.G. Hilling, 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. CHERYL A. SAVER NOTARY PUBLIC - MINNESOTA Notary Public **DAKOTA COUNTY** Russell E. Blette Residence: Hastings, Minnesota, U.S.A. Citizenship: United States STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY On this _ 🕏 \int , before me personally day of appeared the above-named Russell E. Blette, 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. CHERYL A. SAVER NOTARY PUBLIC - MINNESOTA

DAKOTA COUNTY
My Comm. Expires Jan. 31, 2000

ASSIGNMENT

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

Muffler With Acoustic Barrier Material For Limited Clearance Pneumatic Device Applications 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. 09/324,208, filed June 2, 1999;

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 assignce of the entire right, title, and interest therein.

Kenneth F. Tredinnick
Residence: Vadnais Heights, Minnesota, U.S.A.
Citizenship: United States

STATE OF MINNESOTA)

on this day of day of 1919, before me personally appeared the above-named Kenneth F. Tredinnick, 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.

SeaJDYCE M. COURTNEY
NOTARY PUBLIC-MINNESOTA
My Commission Expires Jan. 31, 2000

Joyce M. Courtney Notary Public

George D.G. Hilling Residence: Roseville, Minnesota, U.S.A. Citizenship: United States STATE OF MINNESOTA) COUNTY OF RAMSEY On this 30), before me personally day of appeared the above-named George D.G. Hilling, 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 - MINNESOTA Notary Public **DAKOTA COUNTY** Russell E. Blette Residence: Hastings, Minnesota, U.S.A. Citizenship: United States STATE OF MINNESOTA) 22 (**COUNTY OF RAMSEY** On this 3 , before me personally day of appeared the above-named Russell E. Blette, 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. CHERYL A. SAVER NOTARY PUBLIC - MINNESOTA **DAKOTA COUNT** Comm. Expires Jan. 31, 2000

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OCTOBER 13, 1999

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3M INNOVATIVE PROPERTIES COMPANY LISA M. MCGEEHAN OFFICE OF INTELLECTUAL PROPERTY COUNSEL PO BOX 33427 ST. PAUL, MN 55133-3427

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT Lisa M. McGeehan

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/06/1999

REEL/FRAME: 010156/0129

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TREDINNICK, KENNETH F.

DOC DATE: 08/05/1999

ASSIGNOR:

HILLING, GEORGE D.G.

DOC DATE: 07/30/1999

ASSIGNOR:

BLETTE, RUSSELL E.

DOC DATE: 07/30/1999

ASSIGNEE:

3M INNOVATIVE PROPERTIES COMPANY

PO BOX 33427

PATENT NUMBER:

ST. PAUL, MINNESOTA 55133-3427

SERIAL NUMBER: 09323790

FILING DATE: 06/02/1999

ISSUE DATE:

PATENT IREEL: 010362 FRAME: 0733 DOROTHY RILEY, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

RECORDED: 11/08/1999

PATENT REEL: 010362 FRAME: 0734