

10-30-2001



Docket No. 55671US018

101889015

R SHEET

PATENTS ONLY

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

1. Name of conveying party(ies)/(Execution Date)

Thiel, Charles G. September 27, 2001
Hodson, Peter D. September 24, 2001
Bryant, Andrew M. October 13, 2001

Name and address of receiving party(ies):

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

10/15/01
09/27/01
10/15/01
10/15/01

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: ☐ If this is a request for correction of a
previously recorded document, a copy of the previously recorded assignment and
previous Notice of Recordation is enclosed.

Additional names of receiving party(ies) attached?

☐ Yes ☒ No

4. Application number or patent number:

☒ This document is being filed with a new patent application on: October 15, 2001
☐ This document is to be recorded against the following patent application or patent:
☐ Patent Cooperation Treaty (PCT):
Enter PCT application number only if a U.S. Application Number has not been assigned:

Additional Numbers Attached? ☐ Yes ☒ No

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

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

Phone Number: 651/733-1507

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit Account Number: 13-3723

DO NOT USE THIS SPACE

9. 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.

Christopher D. Gram
Printed Name of Attorney/Agent
Registration No. 43,643

Christopher D. Gram
Signature

October 15, 2001
Date

Pages: Total number of pages including COVER SHEET, attachments and documents: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner for Patents, Box Assignments, Washington, DC 20231

(Form PTO-1595 - Modified from PTO's Rev 03/01)

q:\3mipco forms and samples\assignment recordation cover sheet - inventors to company - new.doc 4/26/01

10/25/2001 LMUELLER 00000121 133723 09978816

01 FD:581 40.00 CH

PATENT
REEL: 012286 FRAME: 0486

ASSIGNMENT

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

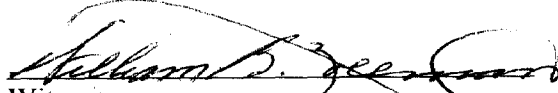
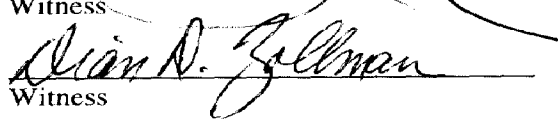
STEM CONFIGURATION TO REDUCE SEAL ABRASION IN METERED DOSE AEROSOL VALVES

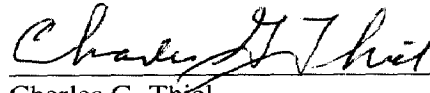
and have contemporaneously executed an application for Letters Patent of the United States of America based thereon;

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.


Witness

Witness

 27 September 2001
Charles G. Thiel Date
Residence: Maplewood, Minnesota 55119
Citizenship: United States of America

Witness

Witness

Peter D. Hodson Date
Residence: Trowell, United Kingdom
Citizenship: United Kingdom

Witness

Witness

Andrew M. Bryant Date
Residence: Quorn, United Kingdom
Citizenship: United Kingdom

Docket No. 55671US018

ASSIGNMENT

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

STEM CONFIGURATION TO REDUCE SEAL ABRASION IN METERED DOSE AEROSOL VALVES

and have contemporaneously executed an application for Letters Patent of the United States of America based thereon;

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.

Witness

Charles G. Thiel

Date

Residence: Maplewood, Minnesota 55119

Citizenship: United States of America

Witness

Peter D. Hodson

24/SEPT/2001

Date

Peter D. Hodson

Residence: Trowell, United Kingdom

Citizenship: United Kingdom

Witness

Witness

Witness

Witness

Andrew M. Bryant

Date

Residence: Quorn, United Kingdom

Citizenship: United Kingdom

PATENT

RECORDED: 10/15/2001

REEL: 012286 FRAME: 0488