

01-02-2002



Docket No. 56754US002

<div style="display: flex; justify-content: space-between;"> 12/14/01 R </div> <div style="text-align: center;"> 101930663 PATENTS ONLY </div>	
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) Jonathan Hester October 11, 2001 Brian E. Spiewak October 8, 2001 David R. Holm October 8, 2001 Jerald W. Hall, Jr. October 8, 2001 Seth M. Kirk October 15, 2001 Moses M. David October 12, 2001 Brinda Lakshmi October 12, 2001	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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional names of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: <input type="checkbox"/> 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.	
4. Application number or patent number: <input checked="" type="checkbox"/> This document is being filed with a new patent application on: _____ <input type="checkbox"/> This document is to be recorded against the following patent application or patent: _____ <input type="checkbox"/> Patent Cooperation Treaty (PCT): Enter PCT application number <u>only</u> if a U.S. Application Number has <u>not</u> been assigned: _____ Additional Numbers Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kimberly S. Zillig Office of Intellectual Property Counsel 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427 Phone Number: (651) 736-6933	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account
8. Deposit Account Number: 13-3723	
<div style="display: flex; justify-content: space-between;"> 01/02/2002 LMUELLER 00000016 133723 10017632 01 FC:581 40.00 CH </div> <div style="text-align: center; border: 1px solid black; padding: 5px; margin-top: 5px;"> DO NOT USE THIS SPACE </div>	
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.	
Kimberly S. Zillig Printed Name of Attorney/Agent Registration No. 46,346	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Signature </div> <div style="text-align: center;"> <u>Dec. 14, 2001</u> Date </div> </div>
Pages: Total number of pages including COVER SHEET, attachments and documents: 4	

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

ASSIGNMENT

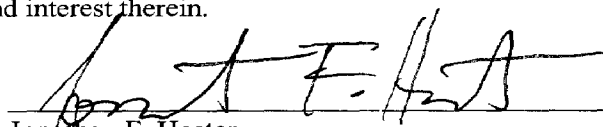
Whereas we, the below named inventors, with residences and citizenships as indicated below; have made an invention in

FLAT SHEET MEMBRANE MODULE ELEMENT FOR USE IN WATER TREATMENT
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;

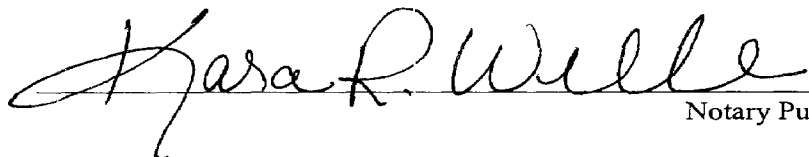
And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

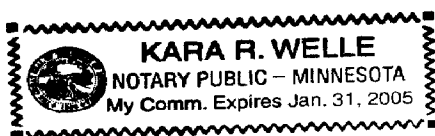

Jonathan F. Hester
Residence: Hudson, Wisconsin U.S.A.
Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this 11th day of October, 2001, before me personally appeared the above-named Jonathan Hester, 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 E. Spiewak
 Brian E. Spiewak

Residence: Inver Grove Heights, Minnesota U.S.A.
 Citizenship: United States of America

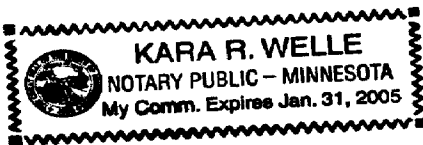
STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 10th day of October, 2001, before me personally appeared the above-named Brian E. Spiewak, 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)

Kara R. Welle

Notary Public



David R. Holm

David R. Holm
 Residence: Hudson, Wisconsin, Minnesota U.S.A.
 Citizenship: United States of America

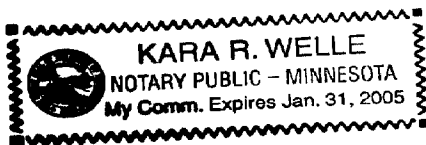
STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 8th day of October, 2001, before me personally appeared the above-named David R. Holm, 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)

Kara R. Welle

Notary Public



Jerald W. Hall Jr.

Jerald W. Hall, Jr.
 Residence: Maplewood, Minnesota U.S.A.
 Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)


On this 8th day of October, 2001, before me personally appeared the above-named Jerald W. Hall, Jr., 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)

Kara R. Welle

Notary Public





Seth M. Kirk

Residence: Minneapolis, Minnesota U.S.A.

Citizenship: United States of America

STATE OF MINNESOTA)

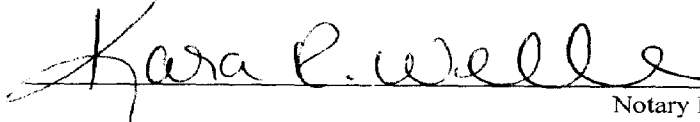
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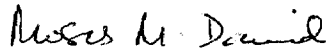
COUNTY OF RAMSEY)

On this 15th day of October, 2001, before me personally appeared the above-named Seth M. Kirk, 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



Moses M. David

Residence: Woodbury, Minnesota U.S.A.

Citizenship: United States of America

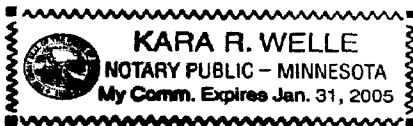
STATE OF MINNESOTA)

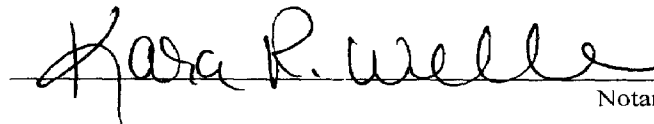
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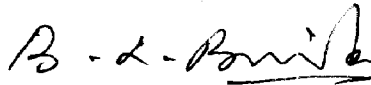
COUNTY OF RAMSEY)

On this 12th day of October, 2001, before me personally appeared the above-named Moses M. 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



Brinda B. Lakshmi

Residence: Woodbury, Minnesota U.S.A.

Citizenship: India

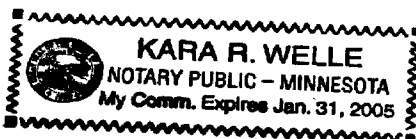
STATE OF MINNESOTA)

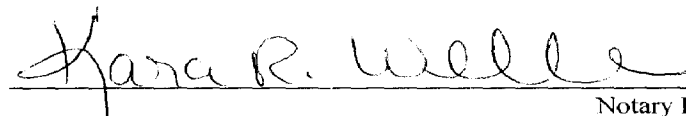
) ss.

COUNTY OF RAMSEY)

On this 12th day of October, 2001, before me personally appeared the above-named Brinda Lakshmi, 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