

09-23-2003

Case No.: 58575US002

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102556086

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)

Smith, Samantha D.	September 11, 2003
Shipman, Gene H.	September 11, 2003
Floyd, Robert M.	September 11, 2003
Freemyer, Harold Todd	September 11, 2003
Hamrock, Steven J.	September 11, 2003
Yandrasits, Michael A.	September 11, 2003
Walton, David G. S.	September 10, 2003

Additional names of conveying party(ies) attached?

☐ Yes ☒ 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:	

☐ 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.

2. Name and address of receiving party(ies):

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

Additional names of receiving party(ies) attached?

☐ Yes ☒ No

22388 U.S. PTO

10/661908

**4. Application number or patent number:**

☒ This document is being filed contemporaneously with a new patent application. *10/661908*
☐ This document is to be recorded against the following patent application or patent:
☐ Enter Patent Cooperation Treaty (PCT) application number only if a USSN has not been assigned:

Additional Numbers Attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Sean J. Edman
Office of Intellectual Property Counsel
3M Innovative Properties Company
Phone Number: (651) 575-1796



32692

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:

1

7. 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.

Printed Name of Attorney/Agent:

Sean J. Edman

Registration No.: 42,506

Signature

September 12, 2003

Date

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

9

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

09/22/2003 DBYRNE 00000151 133723 10661908

01 FC:8021 40.00 DA

PATENT
REEL: 014502 FRAME: 0041

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

MICROPOROUS PVDF FILMS AND METHOD OF MANUFACTURING

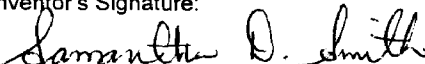


- ☒ for which an application for a United States Patent is being filed contemporaneously herewith;
☐ for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
☐ which application is identified as PCT International Patent Application No. filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M 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 me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment by 3M COMPANY and any of its existing or future subsidiaries), 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 me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/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 I/we lawfully may, that may be deemed necessary by 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


I/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 said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Samantha D.		Family Name or Surname: Smith	
Inventor's Signature: 		Date: 9/11/03	
Residence: Minneapolis, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this <u>11th</u> day of <u>September</u> , <u>2003</u> , before me personally appeared the above-named Samantha D. Smith, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			 Notary Public


Given Name (first and middle [if any]): Gene H.		Family Name or Surname: Shipman	
Inventor's Signature: <i>Gene H. Shipman</i>		Date: 9/11/03	
Residence: Cottage Grove, Minnesota		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA)
COUNTY OF RAMSEY) ss.
On this 11th day of September, 2003, before me personally appeared the above-named Gene H. Shipman, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Kathleen M. Murray*
Notary Public


Given Name (first and middle [if any]): Robert M.		Family Name or Surname: Floyd	
Inventor's Signature: <i>Robert M. Floyd</i>		Date: 9/11/03	
Residence: Maplewood, Minnesota		Country: USA	Citizenship: United States of America



STATE OF MINNESOTA)
COUNTY OF RAMSEY) ss.
On this 11th day of September, 2003, before me personally appeared the above-named Robert M. Floyd, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

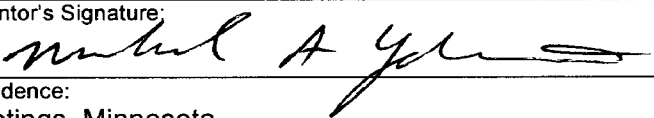

(Seal)  *Kathleen M. Murray*
Notary Public

Given Name (first and middle [if any]): Harold Todd		Family Name or Surname: Freemyer	
Inventor's Signature: <i>Harold Todd Freemyer</i>		Date: 9-11-03	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA)
COUNTY OF RAMSEY) ss.
On this 11th day of September, 2003, before me personally appeared the above-named Harold Todd Freemyer, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Kathleen M. Murray*
Notary Public

Given Name (first and middle [if any]): Steven J.		Family Name or Surname: Hamrock	
Inventor's Signature: 		Date: 9/11/03	
Residence: Stillwater, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)) On this <u>11th</u> day of <u>September</u> , <u>2003</u> , before me personally appeared the above-named Steven J. Hamrock, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		<u>Kathleen M. Murray</u> Notary Public	

Given Name (first and middle [if any]): Michael A.		Family Name or Surname: Yandrasits	
Inventor's Signature: 		Date: 9/11/03	
Residence: Hastings, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)) On this <u>11th</u> day of <u>September</u> , <u>2003</u> , before me personally appeared the above-named Michael A. Yandrasits, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		<u>Kathleen M. Murray</u> Notary Public	

Given Name (first and middle [if any]): David G. S.		Family Name or Surname: Walton	
Inventor's Signature:		Date:	
Residence: Honolulu, Hawaii		Country: USA	Citizenship: United States of America
STATE OF HAWAII)) ss. COUNTY OF) On this _____ day of _____, _____, before me personally appeared the above-named David G. Shibasaki Walton, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) _____ Notary Public			

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

MICROPOROUS PVDF FILMS AND METHOD OF MANUFACTURING

- ☒ for which an application for a United States Patent is being filed contemporaneously herewith;
☐ for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
☐ which application is identified as PCT International Patent Application No. filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M 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 me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment by 3M COMPANY and any of its existing or future subsidiaries), 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 me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/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 I/we lawfully may, that may be deemed necessary by 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

I/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 said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

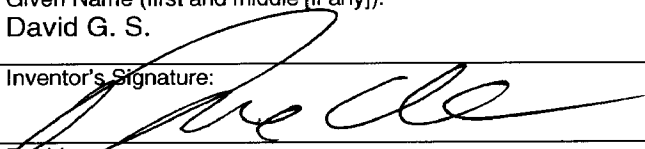
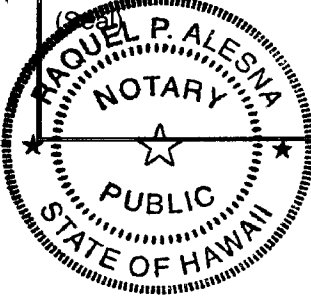
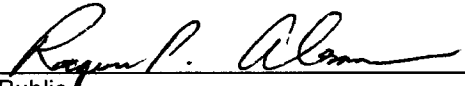
In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Samantha D.		Family Name or Surname: Smith	
Inventor's Signature:		Date:	
Residence: Minneapolis, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)			
On this _____ day of _____, _____, before me personally appeared the above-named Samantha D. Smith, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		_____ Notary Public	

Given Name (first and middle [if any]): Gene H.		Family Name or Surname: Shipman	
Inventor's Signature:		Date:	
Residence: Cottage Grove, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)			
On this _____ day of _____, _____, before me personally appeared the above-named Gene H. Shipman, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		_____ Notary Public	

Given Name (first and middle [if any]): Robert M.		Family Name or Surname: Floyd	
Inventor's Signature:		Date:	
Residence: Maplewood, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)			
On this _____ day of _____, _____, before me personally appeared the above-named Robert M. Floyd, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		_____ Notary Public	

Given Name (first and middle [if any]): Harold Todd		Family Name or Surname: Freemyer	
Inventor's Signature:		Date:	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)			
On this _____ day of _____, _____, before me personally appeared the above-named Harold Todd Freemyer, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		_____ Notary Public	

Given Name (first and middle [if any]): David G. S.		Family Name or Surname: Walton	
Inventor's Signature: 		Date: 9/10/2003	
Residence: Honolulu, Hawaii		Country: USA	Citizenship: United States of America
STATE OF HAWAII)) ss. COUNTY OF) On this <u>10</u> day of <u>September</u> , <u>2003</u> , before me personally appeared the above-named David G. Shibasaki Walton, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  Notary Public </div> <div style="text-align: right;"> RAQUEL P. ALESNA MY COMMISSION EXPIRES: 11/3/06 </div> </div>			