

Case No.: 58391US002

**RECORDATION FORM COVER 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)**Fan, Xudong
Potts, John E.
Smith, Terry L.
Wilson, Robert L.November 3, 2003
November 14, 2003
November 14, 2003
November 3, 2003**2. 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?

☐ Yes ☒ No

Additional names of receiving 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.**4. Application number or patent number:**

- ☐
- This document is being filed contemporaneously with a new patent application.
-
- ☒
- This document is to be recorded against the following patent application or patent:
- 10/685049**
-
- ☐
- 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: Gregg H. Rosenblatt
Office of Intellectual Property Counsel
3M Innovative Properties Company
Phone Number: (512) 984-7443**32692**

Customer Number

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:

Gregg H. Rosenblatt

Registration No.: 45,056

Signature

Date

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

CH \$40.00 133723 10685049

700064475

PATENT
REEL: 014309 FRAME: 0762

Case No.: 58391US002

ASSIGNMENT OF APPLICATION

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

HYBRID SPHERE-WAVEGUIDE RESONATORS

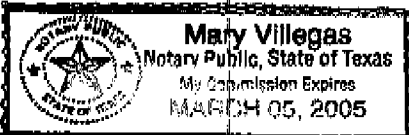
- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
☒ for which an application for a United States Patent identified as U.S. Patent Application No. 10/685049; was filed on October 14, 2003;
☐ which application is identified as PCT International Patent Application No. filed ;

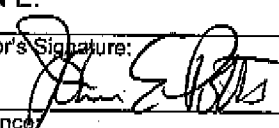

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office 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;

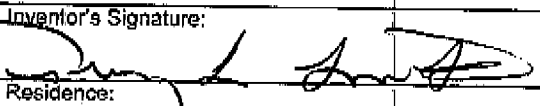

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, 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


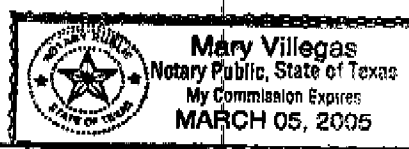
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

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]): XUDONG		Family Name or Surname: FAN	
Inventor's Signature: <i>Xudong Fan</i>		Date: 11-03-2003	
Residence: Austin, Texas		Country: USA	Citizenship: China
STATE OF TEXAS) COUNTY OF TRAVIS) ss.			
On this <u>3rd</u> day of <u>November</u> , <u>2003</u> , before me personally appeared the above-named XUDONG FAN , and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		 <i>Mary Villegas</i> Notary Public <u>11/3/03</u>	

Given Name (first and middle [if any]): JOHN E.		Family Name or Surname: POTTS	
Inventor's Signature: 		Date: 11/14/03	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA) COUNTY OF RAMSEY) ss.			
On this <u>14th</u> day of <u>November</u> , <u>2003</u> , before me personally appeared the above-named JOHN E. POTTS, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<u>Cynthia L. West</u> Notary Public

Given Name (first and middle [if any]): TERRY L.		Family Name or Surname: SMITH	
Inventor's Signature: 		Date: Nov 14, 2003	
Residence: Roseville, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA) COUNTY OF RAMSEY) ss.			
On this <u>14th</u> day of <u>November</u> , <u>2003</u> , before me personally appeared the above-named TERRY L. SMITH, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<u>Cynthia L. West</u> Notary Public

Given Name (first and middle [if any]): ROBERT W.		Family Name or Surname: WILSON	
Inventor's Signature: 		Date: 11/3/2003	
Residence: Austin, Texas		Country: USA	Citizenship: United States of America
STATE OF TEXAS) COUNTY OF TRAVIS) ss.			
On this <u>3rd</u> day of <u>November</u> , <u>2003</u> , before me personally appeared the above-named ROBERT W. WILSON, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<u>Mary Villegas</u> Notary Public 11/3/03

**3M Innovative Properties Company
Office of Intellectual Property Counsel**

**3M Center, 6801 River Place Blvd.,
Austin, TX 78726-9000 USA**

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(512) 984-7443 or (512) 984-2120, and we will arrange for its return at no cost to you. Thank you.

FACSIMILE

Date: February 5, 2004
Number of pages
including cover sheet: 4

To:

**Mail Stop Assignment
Commissioner for Patents
Alexandria, VA**

Your Ref: 10/685049
Phone: *8-703-308-9723
Fax No. *8-703-306-5995

From:

**Gregg H. Rosenblatt
3M IP Co. OIPC
Austin, Texas 78726-9000**

Our Ref: 58391US002
Phone: 512-984-7443
Fax No. 512-984-2020

Remarks: ☐ Urgent ☐ Acknowledge ☒ Reply ASAP ☐ Please Comment

Attached is an Assignment (with Recordation Cover Sheet) for recording in the
subject application.

Thank you.