**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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battato, James M.</td>
<td>December 4, 2002</td>
</tr>
<tr>
<td>Brennan, James F., III</td>
<td>December 4, 2002</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M Innovative Properties Company</td>
<td>P.O. Box 33427 St. Paul, Minnesota 55133-3427</td>
</tr>
</tbody>
</table>

**3. Nature of Conveyance:**

- [ ]. Assignment
- [x]. 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:**

- [x]. This document is to be recorded against the following patent application or patent: 09/874,784

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gregg H. Rosenblatt</td>
<td>3M Innovative Properties Company</td>
</tr>
<tr>
<td>Office of Intellectual Property Counsel</td>
<td>Phone Number: (512) 984-7443</td>
</tr>
</tbody>
</table>

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR § 3.41):**

<table>
<thead>
<tr>
<th>Fee Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosed</td>
<td></td>
</tr>
<tr>
<td>Authorized to be charged to deposit account</td>
<td>$40.00</td>
</tr>
</tbody>
</table>

**8. Deposit Account Number:**

13-3723

**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.: 49,059

[Signature]

12/29/03

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

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
ASSIGNMENT

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

METHOD TO STABILIZE AND ADJUST THE OPTICAL PATH LENGTH OF WAVEGUIDE DEVICES

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. 09/874,784, filed June 5, 2001;

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 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 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 3M 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.

James M. Battistio
Residence: Austin, Texas, United States of America
Citizenship: United States of America

STATE OF TEXAS )
) ss.
COUNTY OF TRAVIS )

On this 4th day of December 2002 before me personally appeared the above-named James M. Battistio, 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.

Mary Villegas
Notary Public

Notary Public

Mary Villegas
MARCH 05, 2005

3M Office of Intellectual Property Counsel, P.O. Box 33427, St. Paul, Minnesota 55133-4279
STATE OF TEXAS

COUNTY OF TRAVIS

On this 4th day of December 2002 before me personally appeared
the above-named James F. Brennan, III, 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.

Mary Villegas
Notary Public
MARCH 05, 2005