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(Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Massachusetts Institute of Technology

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other Confirmatory License

07/23/97

Execution Date: _____

2. Name and address of receiving party(ies)

Name: National Science FoundationInternal Address: Office of the General CounselSuite 1265Street Address: 4201 Wilson BoulevardCity: Arlington State: VA Zip: 22230Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 08/756,812

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robin Clay FritschInternal Address: Office of the General CounselSuite 1265Street Address: 4201 Wilson BoulevardCity: Arlington State: VA Zip: 222306. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41).....\$ 0.00

- ☐ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

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9. Signature.

Robin Clay Fritsch

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: ☐

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
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PATENT
REEL: 13443 FRAME: 0844

LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, James S. Foresi et al have invented "Polycrystalline Silicon Waveguides" and filed a patent application thereon in the United States, entitled "Methods of Forming Polycrystalline Semiconductor Waveguides for Optoelectronic Integrated Circuits, and Devices Formed Thereby" and bearing Serial Number 08/756,812 and filing date November 26, 1996; and

WHEREAS, invention was made in the course of research supported by the National Science Foundation under N.S.F. Grant 9400334-DMR; and

WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms relating to such support; and

WHEREAS, the Massachusetts Institute of Technology, hereinafter called the "Licensor" has acquired by assignment from the inventors the entire right, title and interest of the inventors to such invention;

NOW, THEREFORE:

1. The Licensor, in consideration of the premised and other good and valuable consideration, hereby grants and conveys to the United States Government a non-exclusive, non-transferable, paid-up license to make, use and sell the invention throughout the world by or on behalf of the Government of the United States and states and domestic municipal governments under the aforesaid patent application and any and all divisions or continuations, and in any and all patents or reissues which may be granted thereon during the full term or terms thereof.

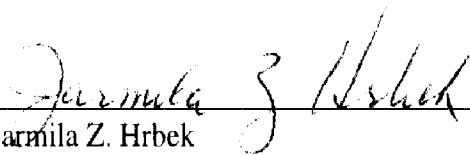
2. The Licensor covenants and warrants that he has the right to grant the foregoing license, and that any assignment or license which he may make of the invention or the said patent application or patents thereon, shall expressly be make subject to this license.

3. The Licensor agrees that the Government shall not be estopped at any time to contest the enforceability, validity, scope of or title to any patent or patent application herein licensed.

4. This License shall not limit the rights reserved to the Government under the contract(s), grant(s), or other arrangement(s) under which said invention was made.

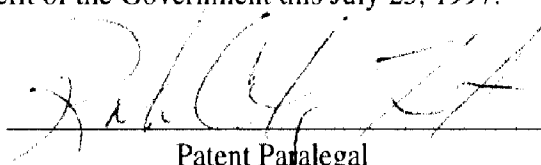
Signed this 24 day of July, 1997 .

MASSACHUSETTS INSTITUTE OF TECHNOLOGY



Jarmila Z. Hrbek
Patent Administrator/Office Manager

Accepted for the benefit of the Government this July 23, 1997.



Patent Paralegal
NATIONAL SCIENCE FOUNDATION