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Name: National Science Foundation

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City: Arlington State: VA Zip: 22230

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
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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) 09/551,908

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 Fritsch

Internal Address: Office of the General Counsel

Suite 1265

Street Address: 4201 Wilson Boulevard

City: Arlington State: VA Zip: 22230

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 0.00

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PATENT
REEL: 013418 FRAME: 0808

LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, John Joannopoulos have invented "All Dielectric Coaxial Waveguide: The Coaxial Waveguide" and filed a patent application thereon in the United States, entitled "All Dielectric Coaxial Wave" and bearing Serial Number 09/551,908 and filing date April 19, 2000; and

WHEREAS, invention was made in the course of research supported by the National Science Foundation under N.S.F. Grant No. DMR-9808941; 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;

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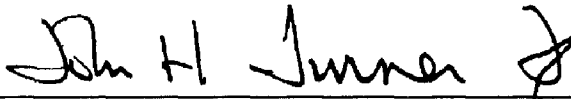
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Signed this 10th day of August, 2000 .

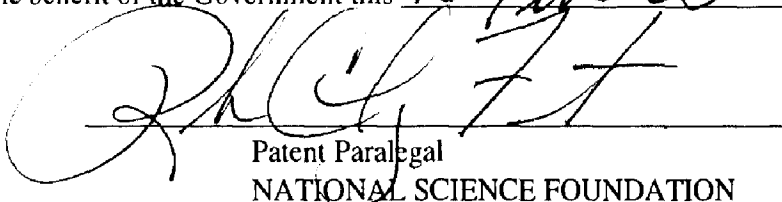
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John H. Turner, Jr.
Associate Director
Technology Licensing Office

Accepted for the benefit of the Government this

15 Feb 02



Patent Paralegal
NATIONAL SCIENCE FOUNDATION