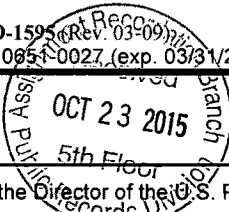


10/23/2015



103673753

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



RECORDATION FORM
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

MIT

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 07/10/2013

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☒ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: NAVY, SECRETARY OF THE UNITED STATES

Internal Address: OF AMERICA

OFFICE OF NAVAL RESEARCH

Street Address: 875 NORTH RANDOLPH STREET

City: ARLINGTON

State: VA

Country: USA Zip: 22203-1995

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

13/933,557

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: CAROL PETROSKY

Internal Address: OFFICE OF NAVAL RESEARCH

OFFICE OF COUNSEL

Street Address: 875 NORTH RANDOLPH STREET

City: ARLINGTON

State: VA Zip: 22203-1995

Phone Number: 703-696-4008

Fax Number: 703-696-6909

Email Address: CAROL.PETROSKY@NAVY.MIL

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☒ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

Carol Petrosky
Signature

10/15/2015

Date

CAROL PETROSKY

Name of Person Signing

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

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 036953 FRAME: 0842

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Metamaterial Based THz-IR Detectors

Inventor(s): Keith A. Nelson, Harold Hwang, Mengkun Liu, Richard D. Averitt

U.S. Filing/Issue Date: 07/02/2013

Patent or Application Serial No.: 13/933,557

Grant/Contract Number(s): N00014-09-1-1103

Foreign Applications filed/intended in (countries): _____

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 10th day of July, 20 13.

By Rolande Johndro
(Institutional Business Official)

Rolande Johndro
(Signature)

Title Patent Compliance Administrator

For MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(Grantee/Contractor Organization)

At MIT Technology Licensing Office NE18-501 One Cambridge Center, Kendall Square

Cambridge, MA 02142 US
(Business Address)