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4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

15/451,745

B. Patent No.(s)

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

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6. Total number of applications and patents involved: 1

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

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PATENT
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Invention Title: VANADIUM DIOXIDE-BASED OPTICAL AND RADIOFREQUENCY SWITCHES

Inventor(s): Zhenqiang Ma, Chang-Beom Eom, Jaeseong Lee, Daesu Lee, Sang June Cho, Dong Liu

U.S. Filing/Issue Date: March 7, 2017

Patent or Application Serial No.: 15/451745

Grant/Contract Number(s): NAVY/ONR N00014-13-1-0183

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:

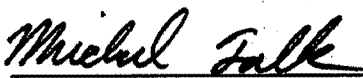
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Signed this 4 April, 2017,

By Michael Falk

(Name of Grantee/Contractor Official) (Signature)



Title General Counsel

For Wisconsin Alumni Research Foundation
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