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Northrop Grumman Systems Corporation
2980 Fairview Park Drive
Falls Church, VA 22042-4511
United States of America

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

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

Execution Date(s) February 14, 2018

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☐ Joint Research Agreement
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☐ Other

2. Name and address of receiving party(ies)

Name: United States Government

Internal Address: US Army Research Laboratory

Street Address: 2800 Powder Mill Road

City: Adelphi

State: MD

Country: US Zip: 20783-1197

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

4. Application or patent number(s):

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

15351065

14202724

B. Patent No.(s)

Additional numbers attached? ☒ Yes ☐ No

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

Name: Lori Sas

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Docket Number:

Email Address: lori.sas@ngc.com

6. Total number of applications and patents involved: 2

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

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9. Signature:

Lori Sas

Signature

2-16-18

Date

Lori Sas

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CONFIRMATORY LICENSE

APPLICATION FOR: A Reciprocal Quantum Logic Comparitor for Qubit Readout

INVENTOR: Donald L. Miller; Ofer Naaman

SERIAL NO.: 14202724

FILING DATE: 2014-03-10

CONTRACT NO.: W911NF-11-C-0069

CONTRACTING AGENCY: Army

The above identified pending United States patent application includes the invention identified and reported as invention disclosure titled A Reciprocal Quantum Logic Comparitor for Qubit Readout, as a "Subject Invention" under the Patent Rights Clause included in Contract number W911NF-11-C-0069. This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application and any resulting patent, and of all other rights acquired by the Government under the contract.

Signed this 31st day of March 2016.

Northrop Grumman Systems Corporation

By:


Jennifer C. McGarey

Title: Secretary

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ES-Active

CONFIRMATORY LICENSE

APPLICATION FOR: Memory Cell Using Hybrid Implementation of Digital, JTL-based Write Function with Analog, Current-based Read Function

INVENTOR: Quentin P. Herr ; Randall M Burnett

SERIAL NO.: 15351065

FILING DATE: 2016-11-14

CONTRACT NO.: W911NF-14-C-0115

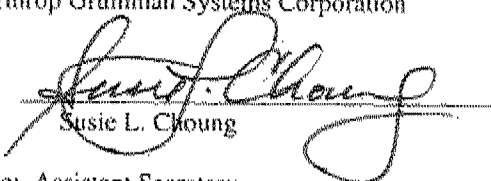
CONTRACTING AGENCY:

The above identified pending United States patent application includes the invention identified and reported as invention disclosure titled Memory Cell Using Hybrid Implementation of Digital, JTL-based Write Function with Analog, Current-based Read Function, as a "Subject Invention" under the Patent Rights Clause included in Contract number W911NF-14-C-0115. This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application and any resulting patent, and of all other rights acquired by the Government under the contract.

Signed this 8th day of September 2017.

Northrop Grumman Systems Corporation

By:


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Title: Assistant Secretary

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