504284079 03/22/2017

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------------------|----------------|
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 03/20/2017 |

RECEIVING PARTY DATA

| Name: | National Science Foundation | |
|-------------------|-----------------------------|--|
| Street Address: | 4201 Wilson Blvd | |
| Internal Address: | Room 1265 | |
| City: | Arlington | |
| State/Country: | VIRGINIA | |
| Postal Code: | 22230 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15423446 |

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NAME OF SUBMITTER: DANA THIBODEAU SIGNATURE: /DMT/ **DATE SIGNED:** 03/22/2017

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> **REEL: 042068 FRAME: 0178** 504284079

PATENT

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|---|
| Invention Title: Distributed Nanowire Sensor for Single Photon Imaging |
| inventor(s): <u>Karl K. Berggren, Qingyuan Zhao</u> |
| U,S. Filing/Issue Date: 02/02/2017 |
| Patent or Application Serial No.: 15/423,446 |
| Grant/Contract Number(s): ECCS1509486 |
| 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 States Government. This document is confirmatory of: |
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| By Rolande Johndro Roll (Signature) (Institutional Business Official) (Signature) |
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| For MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Grantee/Contractor Organization) |
| At 255 Main Street NE18-501 Cambridge, MA 02142 (Business Address) |

PATENT REEL: 042068 FRAME: 0179

RECORDED: 03/22/2017