PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| STANFORD UNIVERSITY | 01/07/2021 |

RECEIVING PARTY DATA

| Name: | UNITED STATES DEPARTMENT OF ENERGY |
|-----------------|------------------------------------|
| Street Address: | 1000 INDEPENDENCE AVE. S.W. |
| City: | WASHINGTON |
| State/Country: | D.C. |
| Postal Code: | 20585 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17103710 |

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| DATE SIGNED: | 05/07/2021 |

Total Attachments: 1

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PATENT REEL: 056181 FRAME: 0440

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RECORDED: 05/07/2021

| Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). |
|---|
| NANOMETER SCALE NONVOLATILE MEMORY DEVICE AND METHOD FOR STORING BINARY AND QUANTUM MEMORY STATES |
| Inventor(s): Aaron Lindenberg, Jun Xiao |
| U.S. Filing/Issue Date: 11/25/2019 |
| Patent or Application Serial No.: 17/103,710 |
| Grant/Contract Number(s): DE-AC02-76SF00515 |
| 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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| The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. |
| Signed this 7 day of January , 20 21 By Lisa Freitas Lisa Freitas (Signature) |
| By Lisa Freitas / i.a. Footan |
| (Institutional Business Official) (Signature) |
| Title_ Compliance Manager |
| For stanford university |
| (Grantee/Contractor Organization) |
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PATENT REEL: 056181 FRAME: 0441