

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6218287

|                                                                                                                                                                                                 |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                  |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | CONFIRMATORY LICENSE (SEE DOCUMENT FOR DETAILS) |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                 |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                           |
| LAWRENCE LIVERMORE NATIONAL SECURITY, LLC                                                                                                                                                       | 07/24/2020                                      |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                 |
| <b>Name:</b>                                                                                                                                                                                    | U.S. DEPARTMENT OF ENERGY                       |
| <b>Street Address:</b>                                                                                                                                                                          | 1000 INDEPENDENCE AVE., SW                      |
| <b>City:</b>                                                                                                                                                                                    | WASHINGTON                                      |
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| <b>Postal Code:</b>                                                                                                                                                                             | 20585                                           |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                 |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                   |
| Application Number:                                                                                                                                                                             | 16846143                                        |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                 |
| <b>Fax Number:</b>                                                                                                                                                                              |                                                 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                                 |
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| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | IL-13439A                                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | CATHERINE CHUNG                                 |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Catherine Chung/                               |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 07/24/2020                                      |
| <b>Total Attachments: 1</b>                                                                                                                                                                     |                                                 |
| source=IL-13439A_Confirmatory License#page1.tif                                                                                                                                                 |                                                 |

**Confirmatory License**

**OPTICAL ENCODER DEVICES AND SYSTEMS**

**Brandon Buckley, Jason Chou, Peter DeVore, Apurva Gowda and David Perlmutter**

**DOE Docket No.: S164987**

**Contract Number: DE-AC52-07NA27344**

**Contractor: Lawrence Livermore National Security, LLC**

**Lawrence Livermore National Laboratory**

**Docket No./Sub: 13439/A**

**U.S. Patent Application S.N.: 16/846143**

**Filing Date: April 10, 2020**

**Waiver No.: W(C)08-001**

**Foreign patent applications filed or intended to be filed at contractor's expense in (countries):**

**WHEREAS, the above-identified invention is a subject invention under the above-identified contract;**

**WHEREAS, the above-identified Class Waiver of Government rights in certain identified inventions and the above-identified contract provides the Contractor with the right to elect to retain title in certain subject inventions and the Contractor has elected to retain title in the above-identified subject invention, EXCEPT FOR a paid-up license under the above-identified contract and the above-identified waiver.**

**ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.**

**The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention. It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.**

**Signed on behalf of: LAWRENCE LIVERMORE NATIONAL SECURITY, LLC (Contractor)**

**Witness:**

**Jacqueline Marie Thomason**  
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Date: 2020.07.24 14:56:22  
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**By:**

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