

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6160344

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                             |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                            |                       |
|                                                                                                                                                                                                 | <b>Name</b>                                | <b>Execution Date</b> |
|                                                                                                                                                                                                 | TRIAD NATIONAL SECURITY, LLC               | 05/22/2020            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                            |                       |
| <b>Name:</b>                                                                                                                                                                                    | U.S. DEPARTMENT OF ENERGY                  |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 1000 INDEPENDNCE AVE., SW                  |                       |
| <b>City:</b>                                                                                                                                                                                    | WASHINGTON                                 |                       |
| <b>State/Country:</b>                                                                                                                                                                           | D.C.                                       |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 20585                                      |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                            |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>                       | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:                        | 16212448              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                            |                       |
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| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | BRENDA K. BANKS                            |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Brenda K. Banks/                          |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 06/18/2020                                 |                       |
| <b>Total Attachments: 1</b>                                                                                                                                                                     |                                            |                       |
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## CONFIRMATORY LICENSE

Application for : Failure Prediction and Estimation of Failure Parameters  
Inventor(s) : Paul A. Johnson et al.  
Serial No. : 16/212448  
Filing Date : 12/6/18  
U.S. Patent :  
Issue Date :  
Contract No. : 89233218CNA000001  
Contractor : TRIAD NATIONAL SECURITY, LLC

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract effective November 1, 2018, governing patent rights in the Subject Invention has been submitted to the U.S. Department of Energy.

The contractor hereby confirms that under the provisions of the above-numbered 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 invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said 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.

The Contract hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed May 22, 2020  
Date

TRIAD NATIONAL SECURITY, LLC

/René A. Pereyra/

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TRIAD National Security, LLC