504435355 06/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4482056

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

CONVEYING PARTY DATA

Name	Execution Date			
NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	06/15/2017			

RECEIVING PARTY DATA

Name:	U.S. DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDNCE AVE., SW
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585

PROPERTY NUMBERS Total: 1

Property Type	Number							
Application Number:	15603877							

CORRESPONDENCE DATA

Fax Number: (202)586-7127

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.

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Correspondent Name: BRENDA K. BANKS

Address Line 1: 1000 INDEPENDENCE AVE. Address Line 4: WASHINGTON, D.C. 20585

NAME OF SUBMITTER:	BRENDA K. BANKS
SIGNATURE:	/Brenda K. Banks/
DATE SIGNED:	06/28/2017

Total Attachments: 1

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REEL: 042846 FRAME: 0781 504435355

PATENT

CONFIRMATORY LICENSE

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APPLICATIONS

Inventor(s): Erik David Spoerke, Margaret Ellen Gordon, Eric John

Schindelholz, Kenneth Mignel Armijo, Neil R. Sorensen, Anthony

Martino and Jaime C. Grunlan

Serial Number: 15/603,877

Filing Date: 5/24/2017

Contract No.: DE-NA0003525

Contractor: National Technology and Engineering Solutions of Sandia, LLC

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract certified on January 9, 1996, governing patent rights in the Subject Invention at the time the invention was made, 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 aboveidentified 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 Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

RECORDED: 06/28/2017

Kerry Kampschmidt

Chief IP Counsel

Legal Technology Transfer Center

If the invention was made under a subcontract, please identify the Prime Contractor: , Prime Contract No.

> PATENT REEL: 042846 FRAME: 0782