

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3765829

<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>
	CONSOLIDATED NUCLEAR SECURITY, LLC	03/01/2016
<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	
<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:	14871162
<b>CORRESPONDENCE DATA</b>		
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<b>SIGNATURE:</b>	/Brenda K. Banks/	
<b>DATE SIGNED:</b>	03/03/2016	
<b>Total Attachments: 1</b>		
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CONFIRMATORY LICENSE  
LARGE BUSINESS CLASS WAIVER

Title: **Thermal Neutron Detector and Gamma-Ray Spectrometer Utilizing a Single Material**

Inventor(s): **Ashley Stowe, Arnold Burger (Fisk University), and Eric Lukosi (University of Tennessee)**

Serial No.: **14/871,162** Filing Date (U.S.): **September 30, 2015**

DOE Case No.: **S-128,073**

Contractor: **Consolidated Nuclear Security, LLC** DOE Contract No.: **DE-NA0001942**

Patent Rights Clause No.: **Article I.80 DEAR 970.5227-12 PATENT RIGHTS-MANAGEMENT AND OPERATING CONTRACTS, FOR-PROFIT CONTRACTOR, ADVANCE CLASS WAIVER (DEC 2000)**

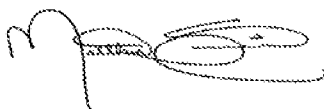
Foreign Applications filed in or intended to be filed at Contractor's expense in (countries): **(None)**<sup>1</sup>

The Contractor, having the right to retain title to certain Subject Inventions as a result of the above-identified U.S. Department of Energy (DOE) Class Patent Waiver, has reported the above-identified invention as a Subject Invention to DOE with an election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, paid-up license to practice or have practice for or on behalf of the United States the Subject Invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, or supplemental thereof, and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which has been previously submitted to DOE and incorporated by reference herein. If attached, the undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified Subject Invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed, this 1<sup>st</sup> day of March, 2016



By:  
Matthew Smith, Program Manager  
Consolidated Nuclear Security, LLC (CNS)  
Office of Technology Transfer

<sup>1</sup> Note: CNS may file a Patent Cooperation Treaty (PCT) application under the terms of its Prime Contract.