### 502598887 12/11/2013

#### PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2645183

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

#### **CONVEYING PARTY DATA**

Name	Execution Date
LOS ALAMOS NATIONAL SECURITY	03/09/2012

#### **RECEIVING PARTY DATA**

Name:	U.S. DEPARTMENT OF ENERGY	
Street Address:	1000 INDEPENDENCE AVE., SW	
City:	WASHINGTON	
State/Country:	DISTRICT OF COLUMBIA	
Postal Code:	20585	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12780776

# **CORRESPONDENCE DATA**

Fax Number: (202)586-7127 Phone: 2025862802

Email: brenda.banks@hq.doe.gov

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: BRENDA K. BANKS

Address Line 1: 1000 INDEPENDENCE AVE.

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20585

NAME OF SUBMITTER:	BRENDA K. BANKS
Signature:	/Brenda K. Banks/
Date:	12/11/2013

Total Attachments: 1 source=S-121060#page1.tif

PATENT REEL: 031795 FRAME: 0791 Rev. 11/02/2006

DOE Docket No. S-121,060 LAD 2010-047

#### CONFIRMATORY LICENSE

Application for ;

Method for computing Self-Consistent Solution in a Gun Code

Inventor(s)

Eric Michael Nelson

Serial No. Filing Date 12/780,776 05/14/2010

U.S. Patent

Issue Date

DE-AC52-06NA25396

Contract No.

LOS ALAMOS NATIONAL SECURITY

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract effective June 1, 2006, 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

Data 7 7 1

LOS ALAMOS NATIONAL SECURITY

Bruce H. Cottrell

IP Practice Group Leader

PATENT REEL: 031795 FRAME: 0792

**RECORDED: 12/11/2013**