U.S. DEPARTMENT OF COMMERCE Form PTO-1595 (Rev. 07/05) United States Patent and Trademark Office OMB No. 0651-0027 (exp. 6/30/2008) RECORDATION FORM COVER SHEET S-134,533 MR PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) Name of conveying party(les) Name: United States Department of Energy BATTELLE ENERGY ALLIANCE, LLC Internal Address: _____ Additional name(s) of conveying party(les) attached? Yes 🗸 No 3. Nature of conveyance/Execution Date(s): Street Address: 1000 Independence Ave. S.W Execution Date(s) 12/10/2013 Merger Assignment City: Washington Change of Name Security Agreement State: D.C.______ __ Joint Research Agreement Government Interest Assignment Country: USA Zip: 20585 Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Tes Ves Vo Other_ This document is being filed together with a new application. 4. Application or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 14/050,642 Additional numbers attached? Yes ✓ No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Name: James B. Potts 7. Total fee (37 CFR 1.21(h) & 3.41) \$___ Internal Address: U. S. Dept. of Energy, IPLD Authorized to be charged by credit card Authorized to be charged to deposit account **Enclosed** Street Address: 9800 S. Cass Ave ✓ None required (government interest not affecting title) 8. Payment Information City: Argonne a. Credit Card Last 4 Numbers ______ State: IL Expiration Date _____ Phone Number: 630-252-2166 b. Deposit Account Number _____ Fax Number: 630-252-2779 Authorized User Name _____ Email Address: Confirmatory.License@ch.doe.gov 9. Signature:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

James B. Potts #58.316

Name of Person Signing

Total number of pages including cover

sheet, attachments, and documents:

DOE Case No.: S-134,533

BA-793

CONFIRMATORY LICENSE

Application for: ENERGETIC MATERIALS AND METHODS OF TAILORING

ELECTROSTATIC DISCHARGE SENSITIVITY OF ENERGETIC

MATERIALS

Inventor(s): Michael A. Daniels; Ronald J. Heaps; Ronald S. Wallace; Michelle

Pantoya; Eric Collins

Serial No.: 14/050,642 Filing Date (U.S.): 10/10/2013

DOE Contract No.: DE-AC07-05ID14517

Contractor: Battelle Energy Alliance, LLC

The invention identified above is a "Subject Invention" under the above-numbered contract with Battelle Energy Alliance, LLC. A copy of the provisions of the above-numbered contract 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 to 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 License 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.

Signed this 10th day of December, 2013.

BATTELLE ENERGY ALLIANCE, LLC

Steven T. McMaster

Director, Technology Deployment

P. O. Box 1625

Idaho Falls, ID 83415-3790

PATENT REEL: 032111 FRAME: 0966

RECORDED: 01/27/2014