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98,320

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

MAGDY BICHAY

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)Name: The United States of America as Represented by theInternal Address: Secretary of the Navy

Office of Counsel Attn: Code OOCPIP

Street Address: Ballston Tower One800 North Quincy StreetCity: ArlingtonState: VirginiaCountry: United States Zip: 22217-5660

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):Execution Date(s) 4 JANUARY 2008

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/109,460

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:Name: Department of the NavyInternal Address: Office of Counsel Building D-31Street Address: 3824 Strauss Avenue Suite 103City: Indian HeadState: Maryland Zip 20659-5152Phone Number: 301-744-5603Fax Number: 301-744-4423Email Address: fredric.zimmerman@navy.mil**6. Total number of applications and patents involved:** _____7. Total fee (37 CFR 1.21(h) & 3.41) \$540.00

- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment InformationDeposit Account Number 50-1114Authorized User Name Fredric J. Zimmerman**9. Signature:**

Fredric J. Zimmerman
Signature

7 December 2009
Date

Fredric J. Zimmerman
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **4**

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

PATENT

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O:FREDRIC J. ZIMMERMAN

COMPANY:OFFICE OF THE GENERAL COUNSEL

11/23/2009 17:38 FAX 3017444423

Command Counsel

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ASSIGNMENT OF INVENTION

WHEREAS I, Magdy M. Bichay of Springfield, VA., while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled WET PROCESSING AND LOADING OF PERCUSSION PRIMERS BASED ON METASTABLE NANOENERGETIC COMPOSITES, identified as Navy Case No. 98.320 and described in application for Letters Patent of the United States of America as executed by myself on 1/4, 2008; and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest therein, including foreign rights; and

WHEREAS, the Government desires to obtain the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, the Government desires an option to obtain the foreign rights in and to the invention;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title, and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by myself had this assignment not been made.

I do hereby also grant to the Government, the option to take the entire right, title, and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to myself within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements or other instruments that may be necessary in the prosecution of the application and any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I have set my hands and affixed my seals.

Date

1/4/08

Signature

Magdy M. Bichay

MAGDY BICHAY