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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 6-18-03
Harry P. Gray
Brian S. Smale
Frederick A. Costanzo

2. Name and address of receiving party(ies)
Name: Chief of Naval Research
Office of Counsel
Internal Address: Dept. of the Navy

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Street Address: Ballston Tower One
800 North Quincy Street
City: Arlington State: VA Zip: 22217-5660

Execution Date: March 24, 2003

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/447,951

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Office of Counsel Code 39

Internal Address: Naval Surface Warfare Center

Carderock Division

06/23/2003 TDI:AZ1 00000084 500958 10447951

01 FC:8021 40.00 DA

Street Address: 9500 MacArthur Blvd.

West

City: Bethesda State: MD Zip: 20817

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0958

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9. Signature.

John Forrest, Reg. No. 29,378

Name of Person Signing

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Signature

6/10/03
Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 014193 FRAME: 0206

ASSIGNMENT OF INVENTION

WHEREAS I (we) Harry P. Gray, Brian S. Smale and Frederick A. Costanzo of McLean, Virginia, New Carrollton, Maryland and Manassas, Virginia, respectively, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled UNDERWATER TARGET TESTING identified as Navy Case No. 83,703 and described in application for Letters Patent of the United States of America as executed by me (us) on March 13 & 24, 2003; 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 (we) 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 me (us) had this assignment not been made.

I (We) 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 me (us) 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 (us) 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 (WE) 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 (we) have set my (our) hand(s) and affixed my (our) seal(s).

3/13/03
Date

3/24/03
Date

3/13/03
Date

Harry P. Gray Seal
HARRY P. GRAY

Brian S. Smale Seal
BRIAN S. SMALE

Frederick A. Costanzo Seal
FREDERICK A. COSTANZO