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Raymond M. Gamache Jeffrey Emenheiser	Name: United States of America, Represented by Sec. of Navy	
	Internal Address: Chief of Naval Research	
Additional name(s) of conveying party(ies) attached? Yes V	Office of Counsel, Code 00CCIP	
3. Nature of conveyance/Execution Date(s):	Street Address: 1 Liberty Center	
Execution Date(s) November 4, 2011	875 N. Randolph Street	
Assignment Merger	or or it. Italiadipir direct	
Security Agreement Change of Name	City: Arlington	
Joint Research Agreement	State: VA	
Government Interest Assignment		
Executive Order 9424, Confirmatory License	Country: US Zip: 22203-1995	
Other	Additional name(s) & address(es) attached? Yes Vo	
4. Application or patent number(s): A. Patent Application No.(s) Docket Navy Case 100716	document is being filed together with a new application. B. Patent No.(s)	
	Additional numbers attached?	
Additional numbers att	ached? ☐ Yes ✔ No	
Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed:	ached? Yes No 6. Total number of applications and patents involved: 1	
5. Name and address to whom correspondence	6. Total number of applications and patents involved: 1	
5. Name and address to whom correspondence concerning document should be mailed: Name: Gerhard W. Thielman	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
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5. Name and address to whom correspondence concerning document should be mailed: Name: Gerhard W. Thielman Internal Address: Office of Counsel, Code C74 Naval Surface Warfare Center Dahlgren Division	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
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5. Name and address to whom correspondence concerning document should be mailed: Name: Gerhard W. Thielman Internal Address: Office of Counsel, Code C74 Naval Surface Warfare Center Dahlgren Division Street Address: 17632 Dahlgren Road	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account	
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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

REEL: 027355 FRAME: 0657

ASSIGNMENT OF INVENTION

Navy Case No. 100716

WHEREAS, we, Raymond M. Gamache of 5083 Falcon Ridge Drive, Indian Head, MD 20640 and Jeffrey Emenheiser of 11384 Hill Street, Felton, PA 17322, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "PROJECTILE SYSTEM AND METHOD FOR IMPEDING VESSEL MOVEMENT" identified as Navy Case No. 100716 and described in application for Letters Patent of the United States of America executed by us on 4 November 2011

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 is desirous of obtaining 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, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, 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 territorics 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 us had this assignment not been made.

We do hereby also grant unto 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 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 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 on behalf of the Government and/or in furtherance of the foreign policies of the Government

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 of 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, we have set our hands and affixed our seals.

ond M. Gamache

4 Nov 2011
Date

RECORDED: 11/08/2011