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Name of conveying party(les)  Sean C. Locker	2. Name and address of receiving party(ies)
Sean C. Locker	Name: United States of America, Represented by Sec. of Navy
1	Internal Address: Chief of Naval Research
Additional name(s) of conveying party(les) attached? Yes V	Office of Counsel, Code 00CCIP
3. Nature of conveyance/Execution Date(s):	Street Address: 1 Liberty Center
Execution Date(s) June 12, 2012	
Assignment Merger	875 N. Randolph Street
Security Agreement Change of Name	City: Arlington
Joint Research Agreement	State: VA
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: <u>US</u> Zip:22203-1995
Other	Additional name(s) & address(es) attached? Yes Vo
Application 13/473,926 Docket Navy Case 101121  Additional numbers atta	B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Gerhard W. Thielman	
Internal Address: Office of Counsel, Code C74	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Naval Surface Warfare Center Dahlgren Division	Authorized to be charged by credit card  Authorized to be charged to deposit account
Street Address: 17632 Dahlgren Road	Enclosed
Suite 158	None required (government interest not affecting title)
City: Dahlgren	8. Payment Information
State: VA Zip:22448-5110	a. Credit Card Last 4 Numbers
Phone Number: (540)653-8061	Expiration Date
Fax Number: (540)653-8879	b. Deposit Account Number 50-0967
Email Address: gerhard.thielman@pavy.mil	Authorized User Name Gerhard W. Thielman
. Signature:	
Signature	June 15, 2012 Date
Gerhard W. Fhielman, Reg. 43,186  Name of Person Signing	Total number of pages including cover
Documents to be recorded (Institution	sheet, attachments, and documents:

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## ASSIGNMENT OF INVENTION

Navy Case No. 101121

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph I(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, 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 me had this assignment not been made.

I 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 me 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 on 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 of any continuation, division or 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 our hands and affixed my seal.

JUNE 12 2012	she hele
Date	Sean C. LockerSeal
	Boni C. Locker

PATENT REEL: 028407 FRAME: 0771

RECORDED: 06/15/2012