

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Delete assignment of Garzarella and insert assignment of Garzarella employed by assignor SOTERA and combine to assignor Dong Wu previously recorded on Reel 024638 Frame 0842. Assignor (s) hereby confirms the Assignor, while employed by the Government of the United States . . . assigns . . . unto the Government. . . .												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dong Ho Wu</td> <td>06/30/2010</td> </tr> <tr> <td>Anthony Garzarella</td> <td>09/06/2012</td> </tr> <tr> <td>SOTERA Defense Solutions</td> <td>09/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dong Ho Wu	06/30/2010	Anthony Garzarella	09/06/2012	SOTERA Defense Solutions	09/07/2012				
Name	Execution Date												
Dong Ho Wu	06/30/2010												
Anthony Garzarella	09/06/2012												
SOTERA Defense Solutions	09/07/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>US Gov't represented by Secretary of Navy Chief of Naval Research</td> </tr> <tr> <td>Street Address:</td> <td>One Liberty Ctr 875 North Randolph St ste1425</td> </tr> <tr> <td>Internal Address:</td> <td>Office of Counsel Code OOCIP</td> </tr> <tr> <td>City:</td> <td>Arlington</td> </tr> <tr> <td>State/Country:</td> <td>VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>22203</td> </tr> </table>		Name:	US Gov't represented by Secretary of Navy Chief of Naval Research	Street Address:	One Liberty Ctr 875 North Randolph St ste1425	Internal Address:	Office of Counsel Code OOCIP	City:	Arlington	State/Country:	VIRGINIA	Postal Code:	22203
Name:	US Gov't represented by Secretary of Navy Chief of Naval Research												
Street Address:	One Liberty Ctr 875 North Randolph St ste1425												
Internal Address:	Office of Counsel Code OOCIP												
City:	Arlington												
State/Country:	VIRGINIA												
Postal Code:	22203												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12829298</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12829298								
Property Type	Number												
Application Number:	12829298												
CORRESPONDENCE DATA													
Fax Number:	2024047380												
Phone:	2024041557												
Email:	john.young@nrl.navy.mil												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	John Leonard Young												
Address Line 1:	4555 Overlook Avenue SW												
Address Line 2:	NRL Code 1008.2 Office ofAssocCounsel IP												
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20375												

CH \$40.00 12829298

ATTORNEY DOCKET NUMBER:	99446US2
NAME OF SUBMITTER:	John Leonard Young
<p>Total Attachments: 11</p> <p>source=Recordation_Form#page1.tif</p> <p>source=Original_Recordation_Cover_Sheet#page1.tif</p> <p>source=Corrected_Assignment_SIGNED_by_Garzarella_and_SOTERA_9_7_2012#page1.tif</p> <p>source=Corrected_Assignment_SIGNED_by_Garzarella_and_SOTERA_9_7_2012#page2.tif</p> <p>source=Corrected_Assignment_SIGNED_by_Garzarella_and_SOTERA_9_7_2012#page3.tif</p> <p>source=Corrected_Assignment_SIGNED_by_Garzarella_and_SOTERA_9_7_2012#page4.tif</p> <p>source=Corrected_Assignment_SIGNED_by_Garzarella_and_SOTERA_9_7_2012#page5.tif</p> <p>source=99446US_Assignment_Wu#page1.tif</p> <p>source=99446US_Assignment_Wu#page2.tif</p> <p>source=99446US_Assignment_Wu#page3.tif</p> <p>source=99446US_Assignment_Wu#page4.tif</p>	

RECORDATION FORM COVER SHEET
PATENTS ONLY

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)

Dong Ho Wu (joint inventor)
SOTERA Defense Solutions (Contractor Organization)
Anthony Garzarella (joint inventor)

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

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

Execution Date(s) 30 June 2012 6 Sep 2012 and 7 Sep 2012

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

2. Name and address of receiving party(ies)

Name: US Gov't represented by Secretary of the Navy Chief of

Internal Address: Naval Research Code OOCIP

Office of Counsel

Street Address: One Liberty Ctr

875 North Randolph Street Suite 1425

City: Arlington

State: Virginia

Country: USA Zip: 22203

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/829,298

(Associated with Customer No. 26384)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: John L. Young

Internal Address: Naval Research Laboratory

Associate Counsel Intellectual Property, Code 1008.2

Street Address: 4555 Overlook Avenue, SW

City: Washington

State: DC Zip: 20375-5320

Phone Number: 202 404 1557

Docket Number: 99446US2

Email Address: john.young@nrl.navy.mil

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 to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 500281

Authorized User Name John L. Young

9. Signature:

/JOHN LEONARD YOUNG/

Signature

September 7, 2012

Date

John Leonard Young

Name of Person Signing

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

10

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

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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)

Dong Ho Wu, and
Anthony Garzarella

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

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

Execution Date(s) June 30, 2010

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

2. Name and address of receiving party(ies)

Name: Gov't of USA represented by the Secretary of the Navy

Internal Address: Chief of Naval Research

Office of Counsel (ATTN: Code OOCIP)

Street Address: One Liberty Ctr.

875 North Randolph Street Suite 1425

City: Arlington

State: VA

Country: USA Zip: 22203

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/829,298

B. Patent No.(s)

Filed: 7/1/2010

NOTE: This is in reference to Customer No.: 26384 and NC99446US2

Additional numbers attached? ☐ Yes ☒ No

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

Name: John Leonard Young, Patent Attorney

Internal Address: Naval Research Laboratory Code 1008.2

Associate Counsel IP

Street Address: 4555 Overlook Avenue, SW

City: Washington

State: DC Zip: 20375-5320

Phone Number: 202 404 1557

Fax Number: 202 404 7380

Email Address: john.young@nrl.navy.mil

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 to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 500281

Authorized User Name John Leonard Young

9. Signature:

/JOHN LEONARD YOUNG/

Signature

7/6/2010

Date

John Leonard Young

Name of Person Signing

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

9

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

ASSIGNMENT BY INVENTOR/CONTRACTOR (UNITED STATES PATENTS)

THIS ASSIGNMENT, made by Anthony Garzarella (hereinafter referred to as Assignor(s)), residing at 2680 Melba Road, Ellicott City, Maryland 21042;

WHEREAS, Assignor(s), while working on the behalf of the Government of the United States, as a contractor employed by, formerly SFA Inc, then Global Strategies Group (North America) Inc., now **SOTERA Defense Solutions**, has/have invented jointly, with Dong Ho Wu of the U. S. Naval Research Laboratory, certain new and useful improvements in an **APPARATUS AND SYSTEM FOR A QUASI LONGITUDINAL MODE ELECTRO OPTIC SENSOR FOR HIGH POWER MICROWAVE TESTING**, set forth in an application for Letters Patent of the United States, as U.S. Patent Application No. 12/829,298, filed on July, 1, 2010; and

WHEREAS, The Government of the United States of America, as represented by the Secretary of the Navy, a Federal Agency (hereinafter referred to as the Government and/or Assignee), is desirous of acquiring and herein does acquire the entire right, title and interest of the Assignor(s) in and to said invention(s) and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

WHEREAS, by acquiring the Assignor(s)' entire right, title, and interest in and to the invention the Government is enabled to license the invention and share the income from the licensing with the Assignor(s) as allowed by law;

WHEREAS, Assignor is obligated as employee of SOTERA Defense Solutions (hereinafter referred to as Contractor) to assign inventions to Contractor, and Contractor is obligated to the Government under contract No. **N00173-07-C-2059**;

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 Assignor(s)' entire right, title, and interest therein, including the foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, in consideration of the premises and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) has/have assigned, transferred and set over, and by these presents do/does assign, transfer and set over, unto the Government, its successors, legal representatives and assigns, subject to a nonexclusive and royalty-free license which is hereby reserved to Contractor, Assignor(s)' entire right, title and interest in and to the above-mentioned invention(s) and application(s) for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application(s), and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Government, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor(s), had this assignment not been made.

AND the license reserved to the Contractor shall extend to all existing and future associated and affiliated companies, if any within the corporate structure of Contractor is a part and shall be assignable to the successor of that part of Contractor's business to which such invention pertains.

AND for the same consideration, Assignor(s) hereby represent(s) and warrant(s) to the Government, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to the Government under law or that have already been transferred to the Government, Assignor(s) is/are the lawful owner(s) of the Assignor(s)' entire right, title and interest in and to said inventions and application(s) for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor(s) has/have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant(s) and agree(s) to and with the Government, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said invention(s), without charge to the Government, its successors, legal representatives and assigns, whenever counsel of the Government, or counsel of its successors, legal representatives and assigns, whenever counsel of the Government, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding(s) in connection with said invention(s), or said Patent application for Letters Patent, or any proceeding(s) in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee(s), as Assignee(s) of said invention(s) and the Letters Patent to be issued thereon, for the sole use and benefit of the Assignee(s), its successors, legal representatives and assigns.

AND the Assignor does hereby also grant unto the Government, the option to take the entire right, title, and interest in the invention and all patent applications or other forms of protection thereon of the Assignor(s) in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided, however, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filing date of any application for United States Letters Patent and/or any provisional application covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to Assignor(s) and/or the Contractor, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue

on said 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.

AND the Assignor(s) hereby further agree(s) 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.

AND Assignor(s) hereby appoint(s) all practitioners at Customer Number 26384, all of US Naval Research Laboratory, 4555 Overlook Ave, SW, Washington, DC 20375, jointly, and each of them severally, my/our attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

AND Assignor(s) hereby grant(s) the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office any foreign patent office for recordation of this document:

US NAVAL RESEARCH LABORATORY

All practitioners at Customer Number 26384.

Date: 6 Sept 2012

Signature: _____

Anthony Garzarella

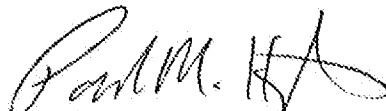
Seal

Contractor joins in and agrees to the foregoing assignment, and except for the above reservation of a license, relinquishes and assigns all right, title and interest in and to such invention, and further agrees to furnish to the Government, upon request, any available information and documents necessary for the prosecution of any patent application (including prosecution and settlement of interferences) on the above-identified invention, and any substitution, division,

continuation --in part, or continuation of such patent application and any application for reissue of any patent resulting from such patent application.

Date: 9/7/12

Signature: _____



Seal

Authorized Contractor Representative

Signer:

Paul Hoyt

Title:

Director of Contracts

ASSIGNMENT BY INVENTOR (UNITED STATES PATENTS)

THIS ASSIGNMENT, made by Dong Ho Wu (hereinafter referred to as Assignor), residing at 19213 Olney Mill Road, Olney, Maryland 20832;

WHEREAS, Assignor, while employed by the Government of the United States, has invented certain new and useful improvements in an APPARATUS AND SYSTEM FOR A QUASI LONGITUDINAL MODE ELECTRO OPTIC SENSOR FOR HIGH POWER MICROWAVE TESTING, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, The Government of the United States of America, as represented by the Secretary of the Navy, a Federal Agency (hereinafter referred to as the Government), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

WHEREAS, by acquiring the Assignors' entire right, title, and interest in and to the invention the Government will be enabled to license the invention and share the income from the licensing with the Assignors as allowed by law;

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 Assignors' entire right, title, and interest therein, including the foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, in consideration of the premises and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has assigned, transferred and set over, and by these presents does assign, transfer and set over, unto the Government, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-

mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, the same to be held and enjoyed by the Government. for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to the Government, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to the Government under law or that have already been transferred to the Government, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with the Government, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to the Government, its successors, legal representatives and assigns, whenever counsel of the Government, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of the Government, its successors, legal representatives and assigns.

AND the Assignor do hereby also grant unto the Government, the option to take the Assignor' entire right, title, and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided, however, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filing date of any application for United States Letters Patent and/or any provisional application covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to Assignor subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on said 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 .

AND the Assignor 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.

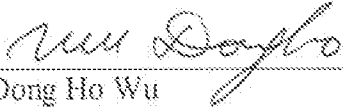
AND Assignor hereby appoints all practitioners at Customer Number 26384, all of US Naval Research Laboratory, 4555 Overlook Ave, SW, Washington, DC 20375, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation

and revocation, to prosecute this application, to make alterations and amendments therein, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office any foreign patent office for recordation of this document:

US NAVAL RESEARCH LABORATORY

All practitioners at Customer Number 26384.

Date: June 30th, 2010 Signature:  Seal
Dong Ho Wu