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RECORDATION FORM

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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)

M. Ryan Whitney Luis C. Gominho
Paul G. Atkinson Michael J. Morrison
Perry L. Fridley Jr. Doyle B. Green
Keith M. DeLoach Douglas L. Wynings

U.S. PTO

13/374637

12/06/2011

2. Name and address of receiving party(ies)

Name: United States of America, Represented by Sec. of NavyInternal Address: Chief of Naval Research

Office of Counsel, Code 00CCIP

Street Address: 1 Liberty Center875 N. Randolph StreetCity: ArlingtonState: VACountry: US Zip: 22203-1995Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s) December 1, 2, 5, 2011☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

Docket Navy Case 100928

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gerhard W. ThielmanInternal Address: Office of Counsel, Code C74Naval Surface Warfare Center Dahlgren DivisionStreet Address: 17632 Dahlgren RoadSuite 158City: DahlgrenState: VA Zip: 22448-5110Phone Number: (540)653-8061Fax Number: (540)653-8879Email Address: gerhard.thielman@navy.mil6. Total number of applications and patents involved: 17. 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☐ Enclosed☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

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b. Deposit Account Number 01/12/2012 LMARTIN 00000022 500967 13374 37
01 FC:0021 40.00 DAAuthorized User Name Gerhard W. Thielman

9. Signature: _____

Signature

December 6, 2011

Date

Gerhard W. Thielman, Reg. 43,186

Name of Person Signing

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

2

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: 027599 FRAME: 0277

ASSIGNMENT OF INVENTION

Navy Case No. 99770

WHEREAS, we, Michael Ryan Whitney of 9955 Francis Folsom Drive, King George, VA 22485; Paul G. Atkinson of 7054 Eagles Nest Lane, King George, VA 22485; Perry L. Fridley, Jr. of 12535 Cleydael Blvd, King George, VA 22485; Keith M. DeLoach of 10 Clarion Drive, Fredericksburg, VA 22405; Luis C. Gominho of 1 Danford Court, Fredericksburg, VA 22405; Michael J. Morrison of 11788 Fullers Lane, King George, VA 22485; Doyle B. Green of 139 McCarty Road, Fredericksburg, VA 22405; and Douglas L. Wynings of 13249 Ormond Way, King George, VA 22485, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "PLUME EXHAUST MANAGEMENT AND PROTECTION" identified as Navy Case No. 99770 and described in application for Letters Patent of the United States of America executed by us on _____, 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 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 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 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.

December 2, 2011
Date

December 1, 2011
Date

December 1, 2011
Date

December 5, 2011
Date

December 1st, 2011
Date

December 1, 2011
Date

Doyle B. Green 12/1/2011
Date

December 1st 2011
Date

Michael Ryan Whitney Seal
Michael Ryan Whitney

Paul G. Atkinson Seal
Paul G. Atkinson

Perry L. Fridley, Jr. Seal
Perry L. Fridley, Jr.

Keith M. DeLoach Seal
Keith M. DeLoach

Luis C. Gominho Seal
Luis C. Gominho

Michael J. Morrison Seal
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Doyle B. Green

Douglas L. Wynings Seal
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