

Form PTO-1595 (Rev. 07/05)
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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)

DANIEL L. DEAN 11/17/2005
MICHAEL DEEDS 11/21/2005
ALLEN KEENEY 10/25/2005

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

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

Execution Date(s) _____

- ☒ 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: The United States of America as Represented by the

Internal Address: Secretary of the Navy

Office of Counsel Atten: Code OOCPIP

Street Address: Ballston Tower One

800 North Quincy Street

City: Arlington

State: Virginia

Country: United States Zip: 22217-5660

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)

11/311,584

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Office of Counsel, Code OC4

Internal Address: Naval Surface Warfare Center

Street Address: 101 Strauss Ave. Building D-31

City: Indian Head

State: Maryland Zip: 20640-5035

Phone Number: 301-744-5603

Fax Number: 301-744-4423

Email Address: fredric.zimmerman@navy.mil

6. Total number of applications and patents involved:

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
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 50-1114

Authorized User Name Fredric Zimmerman

9. Signature:

Fredric Zimmerman
 Signature

3 January 2006
 Date

Fredric Zimmerman, Reg. No. 48,747
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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: 017159 FRAME: 0603

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**ASSIGNMENT
(Contractor Invention)**

TITLE			
METHOD FOR FABRICATING HIGH ASPECT RATIO METAL STRUCTURES			
INVENTOR(S) (Names)		CONTRACTOR	
ALLEN KEENEY		JOHN HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY	
		CONTRACT NO.	GOVERNMENT AGENCY
			DEPARTMENT OF THE NAVY
		CONTRACTOR INVENTION DOCKET NO.	AGENCY DOCKET NO.
			96,756
DATE EXECUTED	SERIAL NO.	FILING DATE	

The undersigned inventor(s), pursuant to the obligation of employee(s) of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government under the above contract, hereby assigns (assign) to the United States of America as represented by the Secretary of the Navy, subject to a revocable, nonexclusive, royalty-free license which is hereby reserved to the Contractor, all right, title and interest in and to each invention disclosed and claimed in the above U.S. patent application.

The license reserved to the Contractor extends to all domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and includes the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license is transferrable only with the approval of the Navy except when transferred to the successor of that part of the Contractor's business to which such invention pertains.

The inventor(s) further agrees (agree) to assist the Contractor, and the Government, upon request, by furnishing any available information and documents, and by performing all acts and doing all things which may be reasonably necessary to obtain a patent on the invention(s).

The 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(s), and further agrees to furnish to the United States of America, upon request, any available information and documents necessary for the prosecution of the above-identified application for patent (including prosecution and settlement of interferences), and any other patent application on the invention(s).

<u>10/25/05</u>	<u>Allen Keeneey</u>	(Seal)
DATE	INVENTOR	
_____	_____	(Seal)
DATE	INVENTOR	
_____	_____	(Seal)
DATE	INVENTOR	
_____	_____	(Seal)
DATE	INVENTOR	

SIGNED THIS 25th DAY OF October, 2005

ATTEST:

Albert J. Fasulo, Jr.
(SEAL)

JOHN HOPKINS UNIVERSITY APPLIED PHYSICS LAB
CONTRACTOR

BY Albert J. Fasulo, Jr.

NAVOCNR 5870/43 (7-89)

Reg. No. 43,607
Albert J. Fasulo, Jr.
Associate Patent Counsel

PATENT
REEL: 017159 FRAME: 0604

ASSIGNMENT OF INVENTION

WHEREAS we, Daniel L. Dean of Odenton, Md., and Michael Deeds of Port Tobacco, Md., while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled METHOD FOR FABRICATING HIGH ASPECT RATIO METAL STRUCTURES identified as Navy Case No. 96,756 and described in application for Letters Patent of the United States of America as executed by us on _____, 2005; 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, 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 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 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 in 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 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.

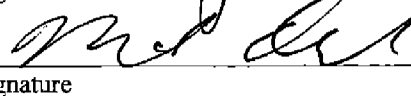
11/17/05

Date

11/21/05

Date


Signature


Signature