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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) Richard G. Ames Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>United States of America, Represented by Sec. of Navy</u> Internal Address: <u>Chief of Naval Research</u> <u>Office of Counsel, Code 00CC</u> Street Address: <u>1 Liberty Center</u> <u>875 N. Randolph Street</u> City: <u>Arlington</u> State: <u>VA</u> Country: <u>US</u> Zip: <u>22203-1995</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>June 7, 2006, May 24, 2006</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input checked="" type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/369,908</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Gerhard W. Thielman</u> Internal Address: <u>Office of Counsel, Code XDC1</u> <u>Naval Surface Warfare Center Dahlgren Division</u> Street Address: <u>17320 Dahlgren Road</u> City: <u>Dahlgren</u> State: <u>VA</u> Zip: <u>22448-5100</u> Phone Number: <u>(540)653-8061</u> Fax Number: <u>(540)653-8879</u> Email Address: <u>gerhard.thielman@navy.mil</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
9. Signature:  Signature <u>Gerhard W. Thielman, Reg. No. 43,186</u> Name of Person Signing	8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>50-0967</u> Authorized User Name <u>Gerhard W. Thielman</u> Date <u>June 8, 2006</u> Date Total number of pages including cover sheet, attachments, and documents: 3

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 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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ASSIGNMENT OF INVENTIONNavy Case No. 98107
TraskBritt 2507-7589US

WHEREAS, I, Richard G. Ames of 13524 Grandview Road, 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, coinvented with Reed J. Blau of 75 East Main, Richmond, UT 84333, Lisa S. Liu at 371 Aircraft Ave., Layton, UT 84041 and Ronald L. Hansen at 308 S. 100 W., Tremonton, UT 84337, entitled "HIGH PERFORMANCE NON-LETHAL PAYLOADS DEVICES, INCORPORATING SAME AND METHODS OF PRODUCING A FLASH" identified as Navy Case No. 98107 and as TraskBritt Docket No. 2507-7589US and described in application for Letters Patent of the United States of America executed by me on 7 June 2006, 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, 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 us had this assignment not been made.

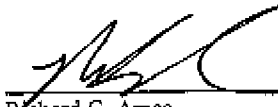
I do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to 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.

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 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, I have set our hands and affixed my seal.

6/7/06

Date


 Richard G. Ames

Seal

CONFIRMATORY LICENSE

Application for: HIGH-PERFORMANCE NON-LETHAL PAYLOADS, DEVICES
INCORPORATING SAME AND METHODS OF PRODUCING A
FLASH

Inventors: Reed J. Blau, Lisa Liu, Ronald L. Hansen, and Richard Ames

Serial No.: 11/369,908 Contract No.: N00178-01-D-1015

Filing Date: March 7, 2006 Contractor: Alliant Techsystems Inc.

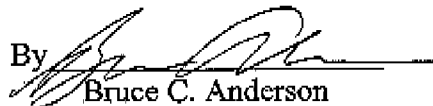
The invention identified above is a "Subject Invention" included in Contract No. N00178-01-D-1015 with the Department of the Navy. This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application, and any resulting patent, and of all other rights acquired by the Government by the referenced clause.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 24 day of May, 2006

ALLIANT TECHSYSTEMS INC.

By


Bruce C. Anderson

Assistant Secretary

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