James Glen Gregoire

Execution Date(s) 11/4/2004

Additional name(s) of conveying party(ies) attached?

1. Name of conveying party(ies)/Execution Date(s):

11-26-2004

CE

RECORDATION FORM COVER SH 102889424 PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) Name: Northrop Grumman Corporation Internal Address: Street Address: 1840 Century Park East

3. Nature of conveyance:	
✓ Assignment	City: Los Angeles
Security Agreement Change of Name	State: CA
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: US Zip: 90067
Other	Additional name(s) & address(es) attached? Yes V No
4. Application or patent number(s):	is document is being filed together with a new application. B. Patent No.(s) stattached? Yes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Alan G. Towner, Esquire	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Pietragallo, Bosick & Gordon	Authorized to be charged by credit card Authorized to be charged to deposit account
Street Address: One Oxford Centre, 38th Floor 301 Grant Street	Enclosed None required (government interest not affecting title)
City: Pittsburgh	8. Payment Information
State: PA Zip: 15219	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: (412) 263-4340	b. Deposit Account Number 500859
Fax Number: (412) 261-0915 Email Address: ipgroup@pbandg.com	Authorized User Name Alan G. Towner —
9. Signature: Can Signature	November 15, 2004
Signature	Date
Alan G. Towner	Total number of pages including cover l

Doguments to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Name of Person Signing

11/24/2004 GTON11 00000104 500859 10989169 40.00 DA

01 FC:8021

PATENT REEL: 016008 FRAME: 0979

sheet, attachments, and documents:

ASSIGNMENT

WHEREAS, I, JAMES GLEN GREGOIRE, residing at 10020 Rustic Ridge Ct., Orlando, FL 32832, a citizen of the United States of America, have invented certain improvements in LASER BEAM DUMP for which I have this day executed an application for Letters Patent; and

WHEREAS, NORTHROP GRUMMAN CORPORATION (hereinafter the "Assignee"), a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 1840 Century Park East, Los Angeles, CA 90067, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of continued employment and/or other undertakings and/or other good and valuable consideration paid to me by said Assignee, receipt whereof I hereby acknowledge, I do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights associated therewith for every country, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said Assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors,

770935v1

Page 1 of 2

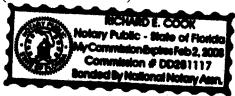
PATENT REEL: 016008 FRAME: 0980 administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

Executed on this 4th day of November, 2004

State of FLORIDA

Before me, a Notary Public in and for the said County and State, personally appeared JAMES GLEN GREGOIRE who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

(NOTARIAL SEAL)



RECORDED: 11/15/2004