

FORM PTO-1596 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P06/REV03

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

## PATENTS ONLY

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Edgardo Maldonado, Daniel J. Hartman, Noel Gonzalez,  
General Dynamics

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: 19 Aug 05

## 2. Name and address of receiving party(ies):

Name: United States of America as Represented by the

Internal Address: Secretary of the Army

Street Address:

City: Washington State: DC ZIP: 20515

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

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

11/193,988

Additional numbers attached? ☐ Yes ☒ No

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

Name: Vicki A. Upchurch

Internal Address: Office of the Chief Counsel, U.S.

Army Research, Development, & Engineering Command

AMSSRD-CC/Bldg E4435

Street Address: 5183 Blackhawk Rd., Bldg E4435

City: APG State: MD ZIP: 21015

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

## 8. Deposit account number:

19-2201

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Vicki A. Upchurch

Name of Person Signing

*Vicki A. Upchurch*

Signature

12/13/05

Date

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

6

PATENT

700230755

Mall documents to be recorded with required cover sheet information to:

Mall Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office, P.O. Box 4450, Alexandria, VA 22304-4450

REEL: 017121 FRAME: 0414

CH \$40.00 192201 11193988

FROM CONTRACTOR-EMPLOYEE TO CONTRACTOR  
AND  
FROM CONTRACTOR TO GOVERNMENT  
(AMC-R 825-2)

APPLICATION FOR: Launchable Grenade System

Short Title of Invention

INVENTOR(S): Edgardo Maldonado, Daniel J. Hartman, Noel Gonzalez

\* SERIAL NO: 11/193,988 \* FILING DATE: 7/28/05 DATE OATH EXECUTED: See inventor's signature

CONTRACTOR: General Dynamics OTS (Niceville), Inc. (General Dynamics)  
Formerly Engineering Technology, Inc. (ETI)

CONTRACT NO: DAAD13-98-C-0043

SUBCONTRACTOR: \_\_\_\_\_

\* Data not known at execution time may be added later for better identification.

WHEREAS, under the terms of the above-identified Government contract with the United States Government, the Contractor \*\* agreed, inter alia, to grant to the Government certain rights under inventions and/or discoveries conceived or first actually reduced to practice in the performance of said contract; and

WHEREAS, the above-identified patent application discloses invention(s) within the purview of said rights agreed to be granted by the Contractor to the Government; and

WHEREAS, the Government desires that the assignment rights provided for by said contract in and to said invention(s) be confirmed; and

WHEREAS, under the employment contract, agreement or arrangement the Contractor-employer is entitled to an assignment in and to certain inventions made by the inventor(s) as part of his (their) duties as employee(s) of the Contractor; and

WHEREAS, the above-identified invention(s) was/were made in the performance of the above-identified contract and under such circumstances as to entitle the Government to an assignment of the entire right, title and interest in and to said invention(s) and any and all applications for Letters Patent thereon and in and to any and all Letters Patent granted on said application, subject only to a nonexclusive royalty free license to Contractor, said license to be non-transferable except to the successor of that part of the Contractor's business to which said license is appurtenant.

NOW, THEREFORE, be it known that for and in consideration of these premises and for other good and sufficient consideration, the receipt of which is hereby acknowledged, I (we), the inventor(s), do sell, assign, and transfer to the Contractor-employer the entire right, title and interest in and to said invention(s) and patent application and in and to all Letters Patent wherever they may be granted thereon, as well as divisions, continuations, reissues, and extensions of said application and Letters Patent, the same to be held and enjoyed by the said Contractor-employer to the full end of the term or terms for which Letters Patent are or may be granted, as fully and entirely as the same would have been held or enjoyed by me (us) had this assignment not been made.

\*\*(The terms "Contract" and "Contractor" shall include subcontract and subcontractor, if applicable, wherever they occur.)

PRIME CONTRACTOR AND NUMBER: General Dynamics (formerly ETI). DAAD13-88-C-0043

SUBCONTRACTOR: \_\_\_\_\_

APPLICATION FOR: Launchable Grenade System

INVENTOR(S): Edgardo Maldonado, Daniel J. Hartman, Noel Gonzalez

SERIAL NO: 11/193,988

FILING DATE: 7/28/05

\*\*\*\*\*

SIGNATURE OF INVENTOR

Edgardo Maldonado  
(First Name) (Middle Initial) (Last Name)

ADDRESS:

Orange Florida  
(County) (State)

DATE: 5/3/05

Edgardo Maldonado

STATE OF FLORIDA

(Inventor's typed name)

COUNTY OF Orange

SS.

On the above date Edgardo Maldonado, known to me to be the individual described in and who executed the foregoing instrument, duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.



My commission expires on 5/29/08

Denise Cipriano  
Signature of Notary

SIGNATURE OF INVENTOR

Daniel J. Hartman  
(First Name) (Middle Initial) (Last Name)

ADDRESS:

Orange Florida  
(County) (State)

DATE: 5/3/05

Daniel J. Hartman

STATE OF FLORIDA

(Inventor's typed name)

COUNTY OF Orange

SS.

On the above date Daniel J. Hartman, known to me to be the individual described in and who executed the foregoing instrument, duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

(SEAL)



My commission expires on 5/29/08

Denise Cipriano  
Signature of Notary

PRIME CONTRACTOR AND NUMBER: General Dynamics (formerly ETI). DAAD13-98-C-0043

SUBCONTRACTOR: \_\_\_\_\_

APPLICATION FOR: Launchable Grenade System

INVENTOR(S): Edgardo Maldonado, Daniel J. Hartman, Noel Gonzalez

SERIAL NO: 11/193,988 FILING DATE: 7/28/05

SIGNATURE OF INVENTOR

(First Name)

(Middle Initial)

(Last Name)

ADDRESS:

(Locality)

(County)

(State)

DATE: 5/03/05

Noel Gonzalez

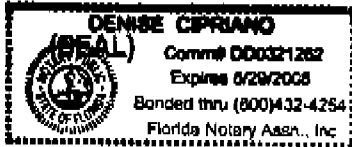
STATE OF Florida

(Inventor's typed name)

COUNTY OF Orange

SS.

On the above date Noel Gonzalez, known to me to be the individual described in and who executed the foregoing instrument, duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.



My commission expires on

5/29/08

Signature of Notary

SIGNATURE OF INVENTOR

(First Name)

(Middle Initial)

(Last Name)

ADDRESS:

(Locality)

(County)

(State)

DATE: \_\_\_\_\_

STATE OF \_\_\_\_\_

(Inventor's typed name)

COUNTY OF \_\_\_\_\_

SS.

On the above date \_\_\_\_\_, known to me to be the individual described in and who executed the foregoing instrument, duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

(SEAL)

My commission expires on \_\_\_\_\_

Signature of Notary

ASSIGNMENT (Continued)

PRIME CONTRACTOR AND NUMBER: General Dynamics (formerly ETI), DAAD13-98-C-0043

SUBCONTRACTOR:

APPLICATION FOR: Launchable Grenade System

INVENTOR(S): Edgardo Maldonado, Daniel J. Hartman, Noel Gonzalez

SERIAL NO: 11/193,988

FILING DATE: 7/28/05

## CONTRACTOR'S ASSIGNMENT

The above-identified Contractor for and in consideration of these premises and for other good and sufficient consideration, the receipt of which is hereby acknowledged, by these presents does sell, assign, and transfer to the United States Government, as represented by the Secretary of the Army and his successors in office:

**ONE:** The entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to said invention(s) and patent application and in and to any and all Letters Patent granted thereon, as well as divisions, continuations, reissues, and extensions of said application and Letters Patent, the same to be held and enjoyed by the said Government of the United States, to the full end of the term or terms for which Letters Patent are or may be granted, as fully and entirely as the same would have been held or enjoyed by the Contractor had this assignment not been made, subject only to the license, as above recited, which license extends to Contractor and to existing and future associated and affiliated companies, if any, within the corporate structure of which Contractor is a part, and which license is hereby reserved.

**TWO:** The entire right, title and interest, in all foreign countries, in and to said invention(s) and in and to all foreign Letters Patent, subject only to the license, as above recited, which license extends to Contractor and to existing and future associated and affiliated companies, if any, within the corporate structure of which Contractor is a part, and which license is hereby reserved.

**NOTE:** The Contractor may delete this paragraph TWO by crossing it out and initialing in the margin. If paragraph TWO is deleted, the following paragraph then becomes applicable and forms part of this instrument.

Contractor further grants, conveys, and confirms to the Government of the United States, as represented by the Secretary of Army and his successors in office, in consideration of the premises and other good and sufficient consideration, an irrevocable, nonexclusive, and royalty-free license to practice, and cause to be practiced by and for the Government, in all foreign countries, in the manufacture, use and disposition according to law, any article, material, or method embodied in any and all of the inventions (within the scope of the said certain rights) disclosed in the above-identified patent application, as well as in any and all Letters Patent, for the full term or terms thereof, which may eventuate from or be based thereon, the said license (i) being non-transferable, except that the Government has the right to grant sub-licenses to any foreign government or international organization specifically for use in programs established by International Agreements for research, development, or production of weapons or equipment for mutual defense, and (ii) including the practice of the licensed inventions in the manufacture, use, and disposition of any article or material, in the use of any method, or in the performance of any service acquired by or for the Government or with funds derived through the Military Assistance Program of the Government or otherwise through the Government.

## ASSIGNMENT (Continued)

PRIME CONTRACTOR AND NUMBER: General Dynamics (formerly ETI), DAAD13-98-C-0043

SUBCONTRACTOR: \_\_\_\_\_

APPLICATION FOR: Launchable Grenade SystemINVENTOR(S): Edgardo Maldonado, Daniel J. Hardman, Noel GonzalezSERIAL NO: 11/193,988FILING DATE: 7/28/05

\*\*\*\*\*

Signed for Contractor on

19 Aug 05  
DAY MONTH YEAR

Signature of Officer

Richard P. DavittAt Niceville Okaloosa Florida  
LOCALITY COUNTY STATERichard P. Davitt, President  
TYPED NAME

I certify that I am the Secretary of the above-identified Corporation; that the officer who signed this instrument on behalf of the Corporation was then President of the Corporation, acting by authority of its governing body and within the scope of its corporate powers.

Signed on: 19 Aug 05  
DAY MONTH YEAR

Signature of Secretary

Lisa Adams

Lisa Adams

(Corporate Seal)

TYPED NAME

State of Florida )County of Okaloosa ) SS:On 19 Aug 05 appeared before me Richard P. Davitt  
DAY MONTH YEARand Lisa Adams to me well known, and known to be thePresident and Secretary of General Dynamics  
(TITLE) (TITLE)OTS (Niceville) Inc., a corporation of Florida, and affixed their names to  
(STATE)

the foregoing instrument in my presence, and acknowledged the same to be their and said Corporation's free act and deed.

(SEAL)



SARAH M. TATE  
MY COMMISSION # DD 095840  
EXPIRES: March 29, 2006  
Bonded Thru Budget Notary Services

State

NOTARY PUBLIC

My Commission Expires 29 Mar 06