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07-28-2004

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
States Patent and Trademark Office



RECORD

102800309

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)/Execution Date(s):**

Taylor, Matthew G.  
Rigling, Richard V.

Execution Date(s) 11/18/00

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

**2. Name and address of receiving party(ies)**

Name: Lockheed Martin Corporation

Internal Address: \_\_\_\_\_

Street Address: 6801 Rockledge Drive

City: Bethesda

State: MD

Country: US Zip: 20817

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

**3. Nature of conveyance:**

- Assignment
- Security Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other corrective assignment
- Merger
- Change of Name

**4. Application or patent number(s):**

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

6,439,367 B1

Additional numbers attached?  Yes  No

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

Name: Jerry Cohen, Esq.

Internal Address: Perkins, Smith & Cohen, LLP

Street Address: One Beacon Street

City: Boston

State: MA Zip: 02108

Phone Number: 617-854-4000

Fax Number: 617-854-4040

Email Address: jcohen@pscboston.com

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

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

- 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 \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

7/23/04

Date

Jacob N. Erlich

Name of Person Signing

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

10

Documents 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

07/27/2004 MBETACHE 00000020 6439367

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40.00 DP

PATENT  
REEL: 015603 FRAME: 0062

12-21-2000

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



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U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

12/1/00

9/17/2005

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- New
- Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

- Assignment  Security Agreement
  - License  Change of Name
  - Merger  Other \_\_\_\_\_
- U.S. Government**  
(For Use ONLY by U.S. Government Agencies)
- Departmental File  Secret File

U.S. PTO  
12/1/00  
12/01/00

**Conveying Party(ies)**

Mark if additional names of conveying parties attached  
Execution Date  
Month Day Year  
11 18 2000

Name (line 1) Matthew G. Taylor

Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) Richard V. Rigling

Name (line 2) \_\_\_\_\_

Execution Date  
Month Day Year  
11 18 2000

**Receiving Party**

Mark if additional names of receiving parties attached

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Lockheed Martin Corporation

Name (line 2) a corporation of Maryland

Address (line 1) Lockheed Martin Federal Systems 6801 Rockledge Drive

Address (line 2) 1801 State Route 17C

Address (line 3) Owego Bethesda NY MD/US 19827 20817  
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
REEL: 015603 FRAME: 0063

**Correspondent Name and Address** Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**  
Enter PCT application number  PCT  PCT   
only if a U.S. Application Number has not been assigned. PCT  PCT  PCT

**Number of Properties** Enter the total number of properties involved. #

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

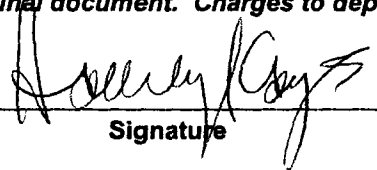
Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Harvey Kaye  
Name of Person Signing

  
Signature

12/01/2000  
Date

**ASSIGNMENT**

WHEREAS, We, Matthew G. Taylor, residing in Longwood, Florida, and Richard V. Rigling, residing in Orlando, Florida (hereinafter referred to collectively as "Assignor") have made an invention entitled BOWL DIVERTER, for which an application for a United States Patent is about to be filed.

WHEREAS, Lockheed Martin Corporation, a corporation organized and existing under the laws of the State of Maryland, having its principal place of business at Lockheed Martin Federal Systems, 1801 State Route 17C, Owego, New York 13827 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.

6801 Rockledge Driv  
Bethesda, MD  
20817  
7/23/04  
WZ

NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents, does sell, assign and transfer to Assignee, Assignor's entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignor had this sale, assignment and transfer not been made.

Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignor covenants with Assignee, its successors, assigns, and legal representatives that Assignor has full right to convey the entire interest herein assigned, and that Assignor has not executed any agreement in conflict herewith

and will not execute any agreement or conveyance in conflict herewith.

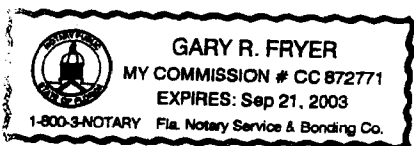
Assignor further covenants and agrees to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignor by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and /or exploit said invention.

Executed this 11 day of NOVEMBER, 2000.

[Signature]  
Matthew G. Taylor

State of Florida , )  
 )  
County of ORANGE ) ss.

Before me appeared Matthew G. Taylor on this 18 day of NOVEMBER, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.



[Signature]  
Notary Public  
My commission expires 9/21/03

SEAL

Executed this 18 day of NOVEMBER, 2000.

[Signature]  
Richard V. Rigling

State of Florida , )  
 )  
County of ORANGE ) ss.

Before me appeared Richard V. Rigling on this 18 day of NOVEMBER, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.



Gary R. Fryer  
Notary Public  
My commission expires 9/21/03

SEAL

12078-116/Assignment