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Expires 06/30/99  
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U.S. Department of Commerce  
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Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

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Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Robert E. Yang Execution Date  
Month Day Year  
3/15/2005

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

**Second Party**

Name (line 1) \_\_\_\_\_ Execution Date  
Month Day Year

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

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Lockheed Martin Corporation  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 2) \_\_\_\_\_

Address (line 1) 6801 Rockledge Drive

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

Address (line 3) Bethesda MD 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) \_\_\_\_\_

04/04/2005 REGISTRATION 00000028 502061 11087467

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PATENT

REEL: 016411 FRAME: 0627

**Correspondent Name and Address**

Area Code and Telephone Number

609-631-2453

Name **William H. Meise**

Address (line 1) **Duane Morris LLP**

Address (line 2) **P.O. Box 5203**

Address (line 3) **Princeton, NJ 08543-5203**

Address (line 4)

**Pages**

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

# 2

**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)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year  
3/15/2005

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

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

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

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

40.00

Method of Payment: Enclosed  Deposit Account

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

Deposit Account Number: # 50-2061

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.

William H. Meise

3/23/2005

Name of Person Signing

Signature

Date

**ASSIGNMENT**

WHEREAS, I, Robert E. Yang (hereinafter referred to as ASSIGNOR(S) have invented certain inventions relating to EIGEN-BASED METHOD FOR COVARIANCE DATA COMPRESSION and,

WHEREAS, Lockheed Martin Corporation, a corporation organized under the laws of the State of Maryland, having a place of business at 6801 Rockledge Drive, Bethesda, Maryland 20817 (hereinafter referred to as ASSIGNEE) is desirous of acquiring the entire interest in, to and under said inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE of valuable consideration to ASSIGNOR, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sell, assign, and transfer to ASSIGNEE and the successors, assigns and legal representatives of the ASSIGNEE all of ASSIGNOR'S right, title and interest in and to said inventions and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and all of ASSIGNOR'S right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries, and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions, renewals, and reexaminations thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

ASSIGNOR(S) request that any and all patents for said inventions be issued to said ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

ASSIGNOR(S) authorize and empower the said ASSIGNEE, its successors, assigns and legal representatives to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from ASSIGNOR(S).

ASSIGNOR(S) hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said ASSIGNEE, its successors, assigns, and legal representatives, to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

ASSIGNOR(S) agree that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said ASSIGNEE, its successors, assigns and legal representatives, the ASSIGNOR(S) will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions, renewals, and reexamination thereof and any legal equivalent thereof in a foreign country, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings and any legal equivalent thereof in a foreign country; communicate to said ASSIGNEE, its successors, assigns, and legal representatives, all facts known to the ASSIGNOR(S) relating to said inventions and the history thereof; and generally do everything possible which said ASSIGNEE, its successors, assigns or legal representatives, shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents on said inventions in said ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) covenant with said ASSIGNEE, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that ASSIGNOR(S) have full right to convey the same as herein expressed.

Signed at MTLAUREL, NJ, USA  
(City, Province or state, country)

Robert E. Yang  
Robert E. Yang

15 MARCH 2005  
(Date)

**WITNESS:**

ANGELA D. REHMUS  
(Please Print Name)

Angela D. Rehmus  
(Signature)

15 MARCH 2005  
(Date)

**WITNESS:**

Coleen Gilsenan  
(Please Print Name)

Coleen Gilsenan  
(Signature)

15 march 2005  
(Date)