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Patents and Trademarks: Please record the attached original documents or copy thereof.

RECEIPT

1. Name of conveying party(ies):

LOCKHEED MARTIN AEROSPACE CORP.

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 6/27/97

2. Name and address of receiving party(ies)

Name: LOCKHEED MARTIN CORPORATION

Internal Address: MP 236

Street Address: 6801 Rockledge Drive

City: Bethesda State: Md. ZIP: 20817

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

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

5,339,386
5,471,567Additional numbers attached? ☐ Yes ☐ No

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

Name: GAY CHIN OR PATRICK M. HOGAN

Internal Address: MP 236

Street Address: 6801 Rockledge Drive

City: Bethesda State: Md. ZIP: 20817

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 3.41).....\$ 80.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

13-1965 13-1955

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

09/09/1997 VIRGINIA 00000042 131955 5339386
Sale Ref: 00000042 131955 5339386
01-FC-501 80.00 CH

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.

GAY CHIN, Reg. No. 15875

Name of Person Signing

Signature

8/21/97

Date

Total number of pages including cover sheet, attachments, and document: 5

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

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20590

FEE: 0709

ASSIGNMENT OF UNITED STATES PATENTS

WHEREAS, Loral Advanced Distributed Simulations, Inc., (hereinafter "LADS") a domestic corporation duly organized under the laws of the State of Delaware and existing on April 7, 1993 was the owner by virtue of an assignment dated April 7, 1993 from Bolt Beranek and Newman, Inc., a Massachusetts corporation, a copy of which is appended hereto as Attachment D, of the entire right, title and interest in and to the United States Letters Patent listed in Attachment A appended hereto and made a part hereof, and in and to the inventions covered by said Letters Patent, subject to such licenses and rights as it and its predecessors in interest may have previously granted ; and

WHEREAS, Loral Aerospace Corporation (hereinafter "LAC") a domestic corporation duly organized under the laws of the State of Delaware became the owner of the entire right, title and interest in and to said U.S. Letters Patent and the inventions covered thereby by virtue of a merger of LADS into LAC, on November 6, 1993 with LAC being the sole surviving corporation, a certified copy of said merger document being attached hereto as Attachment B; and

WHEREAS, LAC officially changed its name to Lockheed Martin Aerospace Corp. in a Certificate of Amendment filed with the State of Delaware Office of the Secretary of State with an effective date of April 29, 1996, a copy of which is attached hereto as Attachment C; and

WHEREAS, LAC was prior to said name change the owner of, and Lockheed Martin Aerospace Corp. (hereinafter referred to as "Assignor") immediately

following said name change became and is now the owner of, the entire right, title and interest in and to the aforesaid Letters Patent and the inventions covered thereby; and

WHEREAS, Lockheed Martin Corporation, a corporation of the State of Maryland, having an office at 6801 Rockledge Drive, Bethesda, Maryland 20817, (hereinafter referred to as "Assignee") is desirous of acquiring the entire right, title and interest of Assignor in and to the aforesaid Letters Patent and the inventions covered thereby;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration the receipt of which is hereby acknowledged, Assignor by these presents, does sell, assign and transfer unto Assignee the entire right, title and interest of Assignor in and to the said inventions covered by said Letters Patent listed in Attachment A hereof and in and to each and every one of said Letters Patent and all reissues, divisions and extensions thereof, including all rights of action arising from said Letters Patent, and all claims of damages by reason of past infringement thereof and the right to sue and collect such damages the same to be held and enjoyed by Assignee for its own use and benefit and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by Assignor had this assignment not be made;

IN WITNESS WHEREOF, Lockheed Martin Aerospace Corp. has caused this assignment to be made effective 6/27/97, and has caused this document to be signed and its corporate seal affixed by hands of its duly authorized officers on the date stated below.

Lockheed Martin Aerospace Corp.

By: [Signature]
Stephen M. Piper
Vice President

Date: 6/27/97

(Corporate Seal)

ATTEST:

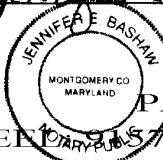
By: Lillian M. Trippett Date: 6/27/97
Lillian M. Trippett
Assistant Secretary

STATE OF MARYLAND)
) SS:
COUNTY OF MONTGOMERY)

Before me, a Notary Public in and for said County, personally appeared Steven M. Piper and Lillian M Trippett, Vice President and Assistant Secretary, respectively, of Lockheed Martin Aerospace Corp., the Corporation which executed the foregoing instrument, who acknowledged that the seal affixed to said instrument is the corporate seal of said Corporation; that they did sign and seal said instrument as such Vice President and Assistant Secretary in behalf of said Corporation and by authority of its Board of Directors; and that said instrument is their free act and deed individually and as such Vice President and Assistant Secretary and the free and corporate act and deed of said Lockheed Martin Aerospace Corp.

IN TESTIMONY WHEREOF, I have hereunto signed my name and affixed my official seal at Bethesda, Maryland, this 27th day of June, 1997.

(SEAL)

Jennifer E. Bashaw
 Jennifer E. Bashaw, Notary Public
Montgomery County
State of Maryland
My Commission Expires Dec. 1, 2000
RECEIVED FRAME: 0712

ATTACHMENT A

ATTACHMENT A

Patent No.	Inventor(s)	Issued	Title
5,339,386	Soderberg, et al	Aug. 16, 1994	Volumetric Effects Pixel Processing
5,471,567	Soderberg, et al	Nov. 28, 1995	Image Element Depth Buffering Using Two Buffers

RECORDED: 05/07/1998

PATENT
REEL: 9157 FRAME: 0713