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U.S. Department of Commerce

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6-4-03

PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

16523 U.S. PTO
10/454334
06/04/03

1. Name of conveying parties:

COLE A. CHANDLER

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: **June 3, 2003**

2. Name and address of receiving party:

Name: **LOCKHEED MARTIN CORPORATION**

Internal Address:

Street Address: **1701 West Marshall Drive**City: **Grand Prairie** State: **Texas** Zip: **75051**Additional name(s) & address(es) attached? ☐ Yes **XX** No4. Application number(s) or registration number(s): **NEW APPLICATION**If this document is being filed together with a new application, the execution date of the application is: **June 3, 2003**

A. Patent Application No.(s):

10,454334

B. Patent No.(s):

Additional numbers attached? ☐ Yes **XX** No

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

Name: **Jeffrey A. Pyle****Williams, Morgan & Amerson, P.C.**
10333 Richmond Ave., Suite 1100City: **Houston**State: **Texas**Zip: **77042**6. Total number of applications and patents involved: **1**7. Total fee (37 C.F.R. 3.41)----- \$ **40.00**☒ Enclosed☒ Authorized to be charged to deposit account
if check insufficient or inadvertently omitted8. Deposit account number: **50-0786/2063.004700**

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

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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.

Jeffrey A. PyleName of Person Signing, Reg. No. **34,904**

Signature

06/04/03

Date

Total number of pages including cover sheet, attachments and documents: **2**

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NUMBER: **EV291296505US**DATE OF DEPOSIT: **June 4, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service with sufficient postage "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: MS PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

PATENT
REEL: 014150 FRAME: 0132

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **LOCKHEED MARTIN CORPORATION** (the "Assignee"), having a place of business at 1701 West Marshall Drive, Grand Prairie, Texas 75051, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, "**ANTENNA SYSTEM AND METHOD OF USING SAME,**" such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: 
COLE A. CHANDLER

Date: 6-03-2003

STATE OF TEXAS §
 §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this ____ day of _____, 2003, personally appeared **COLE A. CHANDLER**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Notary or Consular Officer