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PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. 10919/2566

PTO  
JUL 17 2001  
09/03/06  
04/17/01

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

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

Lewis T. CLAIBORNE and Pradip MITRA

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

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

Name: LOCKHEED MARTIN CORPORATION

Internal Address: Attn: General Counsel

Street Address: 6801 Rockledge Drive

City: Bethesda State: Maryland

Country: USA ZIP: 20817

09836036

## 3. Nature of conveyance:

☒ Assignment \_ Merger  
\_ Security Agreement \_ Change of Name  
\_ Other

Execution Date: April 6, 2001, respectively

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: April 6, 2001, respectively

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? \_ Yes ☒ No

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

Name: SIDLEY &amp; AUSTIN

Internal Address: Attn: James W. Williams

Street Address: 717 North Harwood  
Suite 3400

City: Dallas State: TX ZIP: 75201-6507

## 6. Total Number of applications and patents involved: 1

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

\_ Enclosed

☒ Authorized to be charged to deposit account

## 8. Deposit account number:

18-1260

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

04/27/2001 AHMED1 00000142 181260 09836036  
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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.*

James W. Williams

Name of Person Signing

Signature

April 17, 2001

Date

Total number of pages including cover sheet 4

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PATENT  
REEL: 011727 FRAME: 0550

**ASSIGNMENT**

WHEREAS, we, Lewis T. CLAIBORNE of 920 Northlake, Richardson, Dallas County, Texas 75080 and Pradip MITRA of 123 Browning, Grand Prairie, Dallas County, Texas 75052, have invented certain new and useful improvements in a **DIFFRACTION GRATING COUPLED INFRARED PHOTODETECTOR**, which is identified as Attorney Docket No. 10919/25601, for which we are about to make application for United States Letters Patent and/or Patents in countries subject to the Patent Cooperation Treaty (PCT); and

WHEREAS, **LOCKHEED MARTIN CORPORATION** (hereinafter referred to as "ASSIGNEE"), a corporation of the State of Maryland, having a place of business in Bethesda, Maryland, is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices

reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We also covenant that no assignment, sales agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand this 6<sup>th</sup> day of April, 2001.

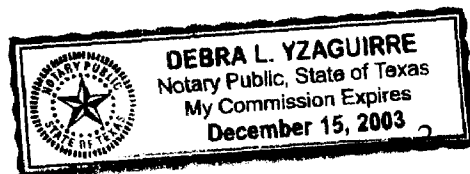
Lewis T. Claiborne  
Lewis T. Claiborne, Inventor

STATE OF TEXAS )  
COUNTY OF Dallas ) ss:

On this 6 day of April, 2001, before me, a Notary Public in and for the State of Texas, personally appeared Lewis T. Claiborne, to me well known and known by me to be the person of the above name who signed the foregoing instrument, and acknowledged the same to be his own free act and deed.

Debra L. Yzaguirre  
Notary Public, State of Texas

[S E A L]



IN WITNESS WHEREOF, I have hereunto set my hand this 6<sup>th</sup> day of  
April, 2001.

Pradip Mitra  
Pradip Mitra, Inventor

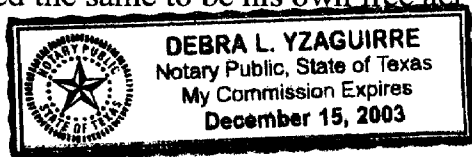
STATE OF TEXAS

COUNTY OF

Dallas

) ss:

On this 6 day of April, 2001, before me, a Notary Public in and  
for the State of Texas, personally appeared Pradip Mitra, to me well known and known by  
me to be the person of the above name who signed the foregoing instrument, and  
acknowledged the same to be his own free act and deed.



Debra L. Yzaguirre  
Notary Public, State of Texas

[SEAL]