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(Rev. 6-93)

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COVER SHEET  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):

Dominic F. Lee  
Donald M. Kroeger  
Amit Goyal

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

3. Nature of conveyance:

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

Execution Date: October 28, 1998

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

Name: Lockheed Martin Energy Research Corporation

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

Street Address: Bethel Valley Road, P.O. Box 2008

City: Oak Ridge State: TN Zip: 37831

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

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

If this document is being filed with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/163,994

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Daniel G. Radler

Internal Address: Quarles & Brady

Street Address: 411 E. Wisconsin Avenue

City: Milwaukee State: WI Zip: 53202

6. Total number of applications and patents involved:

1

7. Total Fee (37 CFR 34) ..... \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number

17-0055

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

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.*

Daniel G. Radler  
Name of person signing

[Signature]  
Signature

December 14, 1998  
Date

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

4

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

ASSIGNMENT

WHEREAS, we, the below-named inventor whose residence and post office is as stated below have co-invented certain new and useful improvements in

**METHOD OF DEFORMING A BIAXIALY TEXTURED BUFFER LAYER ON A  
TEXTURED METALLIC SUBSTRATE AND ARTICLES THEREFROM**

for which an application for United States Letters Patent was filed on September 30, 1998, and further identified as U.S. Patent Application No. 09/163,994, and

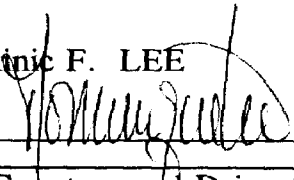
WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION, a corporation of the State of Delaware, having an office at Oak Ridge National Laboratory, Bethel Valley Road, P.O. Box 2008, Oak Ridge, Tennessee 37831-6255, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any letters patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE the entire right, title, and interest in the application and the invention, to all rights of property thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said letters patent, when granted, to the ASSIGNEE.

Further, We hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of American and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives and assigns.

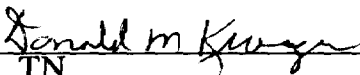
Full name of inventor: Dominic F. LEEInventor's Signature Date: 10/28/98Residence: Knoxville, TNPost Office Address: 9028 Countrywood Drive #D, Knoxville, TN 37923Citizenship: United States of AmericaState of Tennessee )County of Anderson )

On this 28 day of OCTOBER, 1998, before me, a Notary Public in and for the County and State aforesaid, appeared Dominic F. Lee, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last given above.

  
Notary Public**MY COMMISSION EXPIRES  
JUNE 12, 2002**

SEAL

Full name of inventor: Donald M. KROEGERInventor's Signature Date: 10/28/98Residence: Knoxville, TNPost Office Address: 716 Villa Crest, Knoxville, TN 37923Citizenship: United States of AmericaState of Tennessee )County of Anderson )

On this 28 day of OCTOBER, 1998, before me, a Notary Public in and for the County and State aforesaid, appeared Donald M. Kroeger, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last given above.

  
Notary Public**MY COMMISSION EXPIRES  
JUNE 12, 2002**

SEAL

Full name of inventor: Amit GOYAL

Inventor's Signature Amit Goyal Date: 10/28/98  
Residence: Knoxville, TN  
Post Office Address: 300 Walker Springs Road, #19E, Knoxville, TN 37923  
Citizenship: India

State of Tennessee )  
County of Anderson )

On this 28 day of October, 1998, before me, a Notary Public in and for the County and State aforesaid, appeared Amit Goyal, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last given above.

[Signature]  
Notary Public

**MY COMMISSION EXPIRES  
JUNE 12, 2002**

SEAL