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SHEET

To the Honorable Commissioner of Patents

101285683

and original documents or copy thereof.

1. Name of conveying party(ies): Felix L. PAULASKAS, Timothy S. BIGELOW and Thomas T. MEEK

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

2. Name and address of receiving party(ies)

Name: LOCKHEED MARTIN ENERGY RESEARCH CORPORATION

Internal Address:

Street Address: Oak Ridge National Laboratory  
P.O. Box 2008  
Oak Ridge, TN 37831-6255

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

3. Nature of conveyance:

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

Execution Date: September 17, 1999

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: January 26, 2000

A. Patent Application No.(s)

07/492473

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Scott D. Paul, Esq.

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

Street Address: QUARLES & BRADY LLP  
222 Lakeview Avenue - Suite 400  
P.O. Box 3188  
West Palm Beach, FL 33402-

3188

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)

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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.

Scott D. Paul, Reg. No. 42,984  
Docket No. 6321-162

1/27/00  
Date  
Total number of pages including cover sheet: 4

Mail documents to be recorded with required cover sheet information to:  
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03/08/2000 DNGUYEN 00000171 170055 09492473

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101285683 U.S. PTO  
09/492473  
01/27/00

## ASSIGNMENT

WHEREAS, WE, the below-named inventors whose residence and post office are as stated below, have invented certain new and useful improvements in a

### DIAGNOSTIC MONITOR FOR CARBON FIBER PROCESSING

for which an application for United States Letters Patent was executed by us on even date herewith, and

WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION, a corporation of the State of Delaware, having an office at Oak Ridge National Laboratory, Post Office 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 priority 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 America 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.

EXP. MAIL #EKS 5127848US

PATENT  
REEL: 010591 FRAME: 0285

Full name of first inventor: Felix L. PAULAUSKAS

Inventor's Signature: *Felix Paulauskas* Date: 9/17/1999

Residence: Knoxville, Tennessee

Citizenship: US

Post Office Address: 302 Big Tree Drive, Knoxville, TN 37922

State of Tennessee )

County of KAANE )

On this 17<sup>th</sup> day of September, 1999, before me, a Notary Public in and for the County and State aforesaid, appeared Leonard Paulauskas 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 above given.

*Kirk A. Wilson*  
Notary Public

SEAL

My Commission Expires: May 6, 2001

Full name of second inventor: Timothy S. BIGELOW

Inventor's Signature: *Timothy S. Bigelow* Date: 9/17/99

Residence: Knoxville, Tennessee

Citizenship: US

Post Office Address: 10626 Forest Crest Road, Knoxville, TN 37922

State of Tennessee )

County of KAANE )

On this 17<sup>th</sup> day of September, 1999, before me, a Notary Public in and for the County and State aforesaid, appeared Timothy S. Bigelow 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 above given.

*Kirk A. Wilson*  
Notary Public

SEAL

My Commission Expires: May 6, 2001

Full name of third inventor: Thomas T. MEEK

Inventor's Signature: Thomas T. Meek Date: 9-17-99

Residence: Knoxville, Tennessee

Citizenship: US

Post Office Address: 8208 Nubbin Ridge Road, Knoxville, TN 37919

State of Tennessee )

County of COANE )

On this 17<sup>th</sup> day of September, 1999, before me, a Notary Public in and for the County and State aforesaid, appeared Thomas T. Meek 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 above given.

Kirk A. Wilson  
Notary Public

SEAL

My Commission Expires: May 6, 2001