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FORM PTO- 595

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Patent and Trademark Office

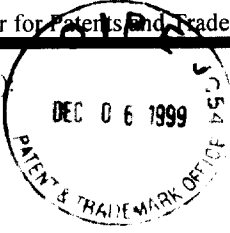
To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
John B. Bates

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 10-11-99



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

Name: **Lockheed Martin Energy Research Corporation**

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

City: **Oak Ridge, Tennessee 37831**

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): 09/396,997

B. Patent No.(s):

Additional numbers attached? Yes No

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

Name: **John Bruckner**
Internal Address: **FH1-2**
Wilson Sonsini Goodrich & Rosati
650 Page Mill Road
Palo Alto, CA 94304-1050

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: 23-2415
(Attorney Docket No.: 19867-723)

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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.

John J. Bruckner
Name of Person Signing

Signature

11/24/99
Date

Total number of pages including cover sheet, attachments and document: [3]

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ASSIGNMENT

WHEREAS, I (we) , the below-named inventors, whose residence and post office is (are) as stated below, have invented certain new and useful improvements in

FABRICATION OF HIGHLY TEXTURED LITHIUM COBALT OXIDE FILMS BY RAPID THERMAL ANNEALING

for which an application for United States Letters Patent was executed on Oct. 11, '99, the specification having been filed on September 15, 1999, and accorded Serial No. 09/396,997, 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. (Agents of ASSIGNEE are authorized to fill in blanks in this document).

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I (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.

I (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, I (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.

I (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 me (us), our heirs, legal representatives, and assigns.

Full name of first inventor: John B. Bates.

Inventor's Signature: John B. Bates

Date: 10-11-99

Residence: Marietta, Georgia

Post Office Address: 1624 Kinsman Lane, Marietta, Georgia 30062

Citizenship: U.S.A.

State of Georgia
County of Cobb

On this 11 day of October, 1999, before me, a Notary Public in and for the County and State aforesaid, appeared John B. Bates, Jr. 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.

John de Bonis
Notary Public

SEAL.