

08-23-1999



To the Honorable Commissioner of Patents and Trademarks

101124678

thereof.

1. Name of conveying party(ies):

J. MICHAEL RAMSEY

MKD  
6-15-99

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

Name: Lockheed Martin Energy Research Corporation

Internal Address: Oak Ridge National Laboratory

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

City: Oak Ridge State/Country: TN ZIP: 37831-6255

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

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

3. Nature of conveyance:

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

Execution Date: June 29, 1999

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)

B. Patent No.(s)

09/300,060

Additional Application/Patent Numbers attached?  Yes  No

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

Name: PATRICK J. HAGAN

Address: DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.  
1601 Market Street, Suite 720  
Philadelphia, Pennsylvania 19103-2307

Telephone: (215) 563-4100 Facsimile: (215) 563-4044

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. In the event the check enclosed is improper, or the fee calculation is in error, the Commissioner is authorized to charge any underpayment or credit any overpayment to the account of the undersigned attorneys.

Deposit Account Number: 04-1406

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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.

UOE

PATRICK J. HAGAN  
Name of Attorney or Agent

*Patrick J. Hagan*  
Signature of Attorney or Agent

August 17, 1999

Total number of pages comprising cover sheet: 3

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01 FC-5A1 40.00 CH  
When documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
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Washington, DC 20231

# ASSIGNMENT

**WHEREAS, J. MICHAEL RAMSEY**

hereinafter referred to as ASSIGNOR, is a named co-inventor of an invention entitled: **APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS**

described and claimed in Application No. 09/300,060 for Letters Patent of the United States signed by ASSIGNOR and dated the 29<sup>th</sup> day of June, 1999.

**WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION**, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and engaged in business at Oak Ridge National Laboratory, Bethel Valley Road, P.O. Box 2008, Oak Ridge, Tennessee 37831-6255, hereinafter referred to as ASSIGNEE, is desirous of acquiring any rights in and to said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor:

**NOW THEREFORE THIS IS TO WITNESS** that for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, for the territory of the United States of America and for all foreign countries, ASSIGNOR'S entire right, title and interest in and to the aforesaid invention, as well as any improvement thereof, and any and all applications for letters patents which have been, or hereafter may be, filed on said invention or any said improvement thereof, including any and all divisional, renewal, substitute, continuation and continuation-in-part applications, together with the right to claim priority accruing from said applications, and all Letters Patent which may be granted on any said application(s) for said invention or any said improvement thereof, and all extension(s) and reissue(s) thereof.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

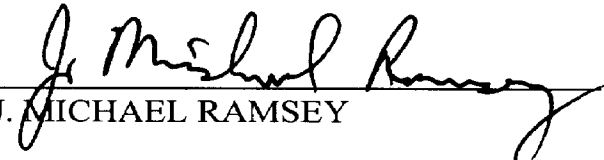
And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

**IN WITNESS WHEREOF**, this assignment has been executed on the day and month indicated below.

DATE

ASSIGNOR

6/29/99

  
J. MICHAEL RAMSEY

