

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	04/18/2001
CONVEYING PARTY DATA	
Name	Execution Date
Lockheed Martin Energy Research Corporation	04/18/2001
RECEIVING PARTY DATA	
Name:	UT-Battelle, LLC
Street Address:	One Bethel Valley Road
Internal Address:	4500N; MS-6258
City:	Oak Ridge
State/Country:	TENNESSEE
Postal Code:	37831-6258
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6893816
CORRESPONDENCE DATA	
Fax Number:	(865)574-0381
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(865) 576-3767
Email:	bowmanke@ornl.gov
Correspondent Name:	Judson R. Hightower
Address Line 1:	One Bethel Valley Road
Address Line 2:	4500N, MS-6258
Address Line 4:	Oak Ridge, TENNESSEE 37831-6258
ATTORNEY DOCKET NUMBER:	0322
NAME OF SUBMITTER:	A. Elizabeth Warfield
Total Attachments: 3	

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PATENT
REEL: 019899 FRAME: 0940

CH \$40.00 6893816

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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Lockheed Martin Energy Research Corporation

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 04/18/2001

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: UT-Battelle, LLC

Internal Address: 4500N, MS-6258

Street Address: One Bethel Valley Road

City: Oak Ridge

State: TN

Country: USA Zip: 37831-6258

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

6,893,816

Additional numbers attached? ☐ Yes ☒ No

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

Name: Judson R. Hightower

Internal Address: UT-Battelle, LLC

Street Address: One Bethel Valley Road

4500N, MS-6258

City: Oak Ridge

State: TN Zip: 37831-6258

Phone Number: (865) 576-3767

Fax Number: (865) 574-0381

Email Address: judsonjr1@ornl.gov

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 13-1958

Authorized User Name Judson R. Hightower

9. Signature:

/Judson R. Hightower/

10/02/2007

Signature

Date

Judson R. Hightower, Reg. No. 26,603

Name of Person Signing

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

3

**ASSIGNMENT OF SUBJECT INVENTIONS, U.S. AND FOREIGN PATENT APPLICATIONS
AND ISSUED FOREIGN PATENTS OF SUBJECT INVENTIONS**

WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION, a corporation of the State of Delaware, having an office at Post Office Box 2008, Oak Ridge, Tennessee 37831-8243 (hereinafter referred to as "LMER"), has acquired by assignment from employees of LMER and/or Lockheed Martin Energy Systems, Inc. (hereinafter referred to as "LMES") the undivided right, title, and interest of Subject Inventions, United States and foreign patent applications of Subject Inventions and United States and foreign patents of Subject Inventions of sole or joint inventor employees of OAK RIDGE NATIONAL LABORATORY (hereinafter referred to as "ORNL") managed by LMER or LMES at the time said inventor employees conceived or reduced to practice said Subject Inventions under Prime Contract Nos. DE-AC05-96OR22464 and/or DE-AC05-84OR21400 with the United States Department of Energy;

WHEREAS, LMER has been replaced effective April 1, 2000 by a successor contractor, UT-BATTELLE, LLC (hereinafter "UT-Battelle"), a limited liability company organized under the laws of the State of Tennessee, having an office at 111-B Union Valley Road, Oak Ridge, Tennessee 37831-6498, which shall manage ORNL under its Prime Contract No. DE-AC05-00OR22725 with the United States Department of Energy;

WHEREAS, LMER is obligated under its aforesaid Prime Contract to transfer title to UT-Battelle, as one package, to the extent LMER has retained title, in all said Subject Inventions, said U.S. and foreign patent applications of said Subject Inventions and all said U.S. and foreign patents of said Subject Inventions, all of the foregoing listed in the attached Appendix A (U.S. Subject Inventions, Patent Applications and Issued Patents) and Appendix B (Foreign Patent Applications and Issued Patents).

WHEREAS, LMER, pursuant to its said aforementioned Prime Contract, wishes to assign to UT-Battelle (hereinafter "ASSIGNEE") the aforesaid undivided right, title and interest of said Subject Inventions, said U.S. and foreign patent applications of said Subject Inventions and said U.S. and foreign patents of said Subject Inventions; and

NOW, THEREFORE, in accordance with Prime Contract No. DE-AC05-96OR22464 between LMER and the U.S. Department of Energy, LMER hereby assigns to ASSIGNEE said undivided right, title and interest in said Subject Inventions, all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, any Letters Patent and/or patent applications on said Subject Inventions that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent and/or patent applications that are divisions, reissues, continuations, renewals, substitutions, reexaminations, or extensions of any Letters Patent or applications therefor on said Subject Inventions.

Further, LMER hereby agrees: (1) to communicate to said ASSIGNEE or its representatives any facts known to it respecting said Subject Inventions, said patent applications of said Subject Inventions and said patents of said Subject Inventions; (2) to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal, reexamination, extension and reissue applications therefor; (3) to execute all necessary assignment papers causing any and all of said patent applications to be issued to said ASSIGNEE and any and all of said Letters Patent to be transferred to said ASSIGNEE; and (4) to make all rightful oaths and

generally do everything possible enabling said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Inventions, said patent applications of said Subject Inventions and said patents of said Subject Inventions in the United States of America and in any and all foreign countries.

LMER further agrees 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 it, its heirs, legal representatives, assigns and successors in interest.

Assignor: LOCKHEED MARTIN ENERGY RESEARCH CORPORATION

By: WMA

Title: President

Date: APRIL 12, 2001

State of NEW JERSEY)

County of CAMDEN)

On this 12 day of APRIL, 2001, before me a Notary Public in and for the County and State aforesaid, appeared W.C. HAIGHT to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledges 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.

Barbara A. Spina
Notary Public
My Commission expires: 2/16/05

[SEAL]

BARBARA A. SPINA
Notary Public
State of New Jersey
County of Camden
Commission Expires Feb. 16, 2005

Assignee: UT-BATTELLE, LLC

By: George L. Craig

Title: General Patent Counsel

Date: 4-18-01

State of Tennessee)

County of Anderson)

On this 18 day of April, 2001, before me a Notary Public in and for the County and State aforesaid, appeared George L. Craig to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledges 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.

James Howe
Notary Public
My Commission expires: 3-2-02

[SEAL]