

12-07-1999

0127

(Docket No.)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101217578

MRE 11/29/99

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

1. Name of the conveying party (ies):

NAME OF INVENTOR(S)

Thomas G. Thundat, Eric A. Wachter,

J. Kenneth Davis
Additional name(s) of conveying
party (ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: - 11/24/99

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

Name: LOCKHEED MARTIN ENERGY SYSTEMS, INC.

Internal Address: Post Office Box 2009

Oak Ridge, Tennessee 37831-8243

Street Address: 701 Scarboro Road

City: Oak Ridge

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)

09/404,954

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

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

Mr. J. Kenneth Davis

Lockheed Martin Energy Research Corporation

P.O. Box 2009

Oak Ridge, Tennessee 37831-8243

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: 13-1958

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

12/06/1999 DNGUYEN 00600143 131958 09404954

DO NOT USE THIS SPACE

01 FC-581

40.00 CH

9. Statement and signature.

To the best of my knowledge and belief, the foregoing instrument is true and correct and any attached copy is a true copy of the
original document.

J. Kenneth Davis

Name of Person Signing

J. Kenneth Davis
Signature

- 11/24/99

Date

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

6

PATENT
REEL: 010414 FRAME: 0094

ASSIGNMENT

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

TUNABLE RESONANCE FREQUENCY BEAM

for which an application for United States Letters Patent was previously filed by us on 9/24/99 and having patent application serial number 09/404,954 ~~herewith~~, and *4/24/99 TGT 11/24/99*

WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION, a corporation of the State of Delaware, having an office at Scarboro & Bear Creek Rd., P.O. Box 2009, Oak Ridge, Tennessee 37831-8014, 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, I 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 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 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 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 first inventor: Thomas G. Thundat

Inventor Signature: [Signature]

Date: 11/27/99

Residence: 616 Plainfield, Knoxville, Tennessee 37923

Post Office Address: 616 Plainfield, Knoxville, Tennessee 37923

Citizenship: USA

State of Tennessee

County of Anderson

On this 24th day of November 1999, before me, a Notary Public in and for the County and State aforesaid, appeared Thomas G. Thundat 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.

[Signature]
Kirk A. Wilson, Notary Public

SEAL

My Commission Expires: May 6, 2001

Full name of second inventor: Eric A. Wachter

Inventor Signature: [Signature]

Date: 11/28/99 ²⁴ CAW

Residence: 138 Bay Path Drive, Oak Ridge, Tennessee 37830

Post Office Address: 138 Bay Path Drive, Oak Ridge, Tennessee 37830

Citizenship: USA

State of Tennessee

County of Anderson

On this 24th day of November 1999, before me, a Notary Public in and for the County and State aforesaid, appeared Eric A. Wachter 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.

[Signature]
Kirk A. Wilson, Notary Public

SEAL

My Commission Expires: May 6, 2001

Full name of ~~second~~ ^{third} inventor: J. Kenneth Davis

Inventor Signature: *J. Kenneth Davis*

Date: 11/24/99

Residence: 111 Confluence Drive, Kingston, Tennessee 37763

Post Office Address: P.O. Box 269, Kingston, Tennessee 37763

Citizenship: USA

State of Tennessee

County of Anderson

On this 24th day of November 1999, before me, a Notary Public in and for the County and State aforesaid, appeared J. Kenneth Davis 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
Kirk A. Wilson, Notary Public

SEAL

My Commission Expires: May 6, 2001