

Form PTO-1595 (Rev. 08/05)
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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)
John T. Pham
John D. Bruno
Richard L. Tober
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: United States of America as Represented by the
Secretary of the Army
Internal Address: _____
Street Address: _____
City: Washington
State: District of Columbia
Country: U.S.A. Zip: 20310
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) 6/24/03
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
11/452,566
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Office of Command Counsel
Internal Address: U.S. Army Materiel Command
ATTN: AMCCC-B-IP (Ed Stolarun)
Street Address: 9301 CHAPEK ROAD
City: Fort Belvoir
State: Virginia Zip: 22060-5597
Phone Number: (703) 806-8244
Fax Number: (703) 806-8873
Email Address: ed.stolarun@US.ARMY.MIL

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40
 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 19-2201
Authorized User Name US Army Materiel Command

9. Signature: Edward L Stolarun 8/6/07
Signature Date

EDWARD L. STOLARUN, Reg. No. 25,515
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **5**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Serial No. 11/452,566
Filing Date: 6/9/2006
Attorney Docket No.: ARL 03-28 D1
First Named Inventor: PHAM, John T.

ASSIGNMENT OF APPLICATION

Title of Invention:

**Lateral Heat Spreading Layers for Epi-Side Up Ridge Waveguide
Semiconductor Lasers**

Inventors:

**PHAM, John T.
BRUNO, John D.**

We, the undersigned inventors, in consideration of the right Maxion Technologies, Inc. (Maxion), acquired by virtue of our employment contract with Maxion and the circumstances under which the above identified invention was made, hereby;

Assign to

Maxion Technologies, Incorporated,

the entire right, title, and interest throughout the world in and to the above entitled invention and application for patent and all Letters Patents issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patents.

Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of the interferences and recording of title to patent applications and patents.

INVENTOR: John T. Pham

ADDRESS: Fairfax, Fairfax county, Virginia

DATE: June 24, 2003

SIGNATURE: 

ASSIGNMENT OF INVENTION

For use of this form, see AR 27-60; the proponent agency is OTJAG

Title of Invention: Lateral Heat Spreading Layers for Epi-Side Up Ridge Waveguide Semiconductor Lasers

Inventor(s) Richard L. Tober

* Application Serial No.: 11/452,566

* Date Oath Executed: 8/19/04 * Filing Date: 6/9/2006

(*Data not known at execution may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: *RL* *L* *Tober*
(First name) (Middle Initial) (Last name)

Duty Address: US ARL, AMSRL-SE-EI, Adelphi, Montgomery MD 20783-1197
(Locality) (County) (State)

Date: 6/24/03 Typed Name of Inventor: Richard L. Tober

State of: Maryland)
) SS
County of: Montgomery)

On the above date Richard L. Tober known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Carolyn J. Pawzyt
(Signature of notary public)

My Commission expires on December 1, 2003

Serial No. 11/452,566
Filing Date: 6/9/2006
Attorney Docket No.: ARL 03-28 D1
First Named Inventor: PHAM, John T.

INVENTOR: John D. Bruno

ADDRESS: Bowie, Prince Georges county, Maryland

DATE: June 24, 2003

SIGNATURE: 

Further, _____

Maxion Technologies, Incorporated,

in accordance with the terms of a Cooperative Research and Development Agreement entered into pursuant to 15 U.S.C. §3710a between the U.S. Army Research Laboratory and Maxion, dated 10 April 2001 (CRDA #ARL0105-A-C980), hereby:

Assigns to

**The Government of the United States,
as represented by the Secretary of the Army,**

its entire right, title, and interest throughout the world in and to the above entitled invention and application for patent and all Letters Patents issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patents acquired by virtue of the circumstances under which the above identified invention was made, subject only a nonexclusive, irrevocable, paid-up license to practice, or to have practiced, the above entitled invention throughout the world.

Maxion Officer: John D. Bruno

TITLE: Vice President

DATE: June 24, 2003

SIGNATURE: 

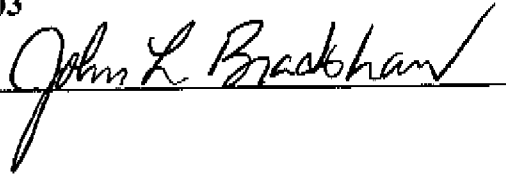
Serial No. 11/452,566
Filing Date: 6/9/2006
Attorney Docket No.: ARL 03-28 D1
First Named Inventor: PHAM, John T.

I certify that I am the Secretary of Maxion Technologies, Incorporated; that John D. Bruno, who signed this instrument on behalf of the Corporation was then Vice President of the Corporation, acting under the authority of its governing body and within the scope of the corporate powers.

Maxion Secretary: John L. Bradshaw

DATE: June 24, 2003

SIGNATURE: _____



(Corporate Seal)

Executed this 24th day of June 2003 at Adelphi.

State of MARYLAND

County of Montgomery

On June 24, 2003, known to me to be the individuals described in and who executed the foregoing instrument personally appeared before me and acknowledged to me that they executed the same as their own free act and deed.


(Signature - Notary Public)

(SEAL)

Notary Public of Montgomery county

My Commission Expires December 1, 2003