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To the Director of the U.S. Patents and T...

documents or the new address(es) below.

7-509
PATENT & TRADEMARK OFFICE
JUL 05 2006
OIP

1. Name of conveying party(ies):

Markus Ortsiefer

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

2. Name and address of receiving party(ies)

Name: Vertilas GmbH

Internal Address: Lichtenbergstr.8

Street Address: Lichtenbergstr.8

City: Garching

State:

Country: Germany

Zip: 85758

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

3. Nature of conveyance:

Execution Date(s) June 13, 2006

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

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/401,587

07/11/2006 DBYRNE 00000075 120600 11401587

01 FC:8021

40.00 DA

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Curtis A. Vock

Internal Address: LATHROP & GAGE LC

4845 Pearl East Circle, Suite 300

Street Address: LATHROP & GAGE LC

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6. Total number of applications and patents involved: 3

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 12-0600

Authorized User Name Curtis A. Vock

9. Signature :

July 5, 2006

Signature

Date

Curtis A. Vock

Total number of pages including cover sheet, attachments, and documents 3

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 018077 FRAME: 0963

ASSIGNMENT

WHEREAS, I, Markus Ortsiefer of Karl-Richter-Str.4, Garching Germany 85748; a citizen of Germany, have invented a new and useful improvement in

SURFACE-EMITTING SEMICONDUCTOR LASERS COMPRISING A STRUCTURED WAVEGUIDE

U.S. Patent Application Serial No.: 11/401,587, filed 11 April 2006

for which I have made application for Letters Patent of the United States; and

WHEREAS, Vertilas GmbH, organized under the laws of the Germany and having its principal place of business at Lichtenbergstr. 8, Garching, Germany 85748, is desirous of acquiring an interest in, to and under said invention, said application, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, I, Markus Ortsiefer, have sold, assigned and transferred, and by these presents do sell, assign and transfer, unto said Vertilas GmbH, the full and exclusive right, title and interest, throughout the world, in, to and under the following:

(a) said invention as fully set forth and described in the specification prepared, and executed by us preparatory to obtaining Letters Patent of the United States therefor;

(b) said application;

(c) any and all refilings, divisions, continuations and continuations-in-part of said application;

(d) any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions, continuations and continuations-in-part;

(e) any and all reissues and reexaminations of said Letters Patent of the United States of America;

(f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;

(g) any and all refilings, divisions and continuations of said foreign-filed applications;

(h) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations; and

(i) any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

All of the above shall be held and enjoyed by said Vertilas GmbH for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

Signed this 13th day of June, 2006.



Markus Ortsiefer