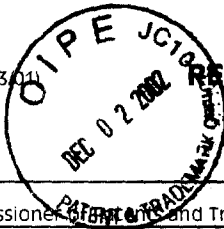


12-06-2002



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To the Honorable Commissioner of Patents and Trademarks

102303661

Documents or copy thereof.

1. Name of conveying party(ies):

Thomas AGGERSTAM
Rickard von WURTEMBERG

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

3. Nature of conveyance:

- Assignment Merger
- Change of Name Other
- Security Agreement

Execution Date: November 20, 2002

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

Name:
ZARLINK SEMICONDUCTOR AB

Street Address:
P.O. Box 520
S-175 26 Jarfalla, Sweden

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).

10/242,070

B. Patent No(s).

Additional numbers attached? Yes No

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

Lawrence E. Laubscher, Jr.
1160 Spa Road, Suite 2B
Annapolis, MD 21403

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41).....\$ **40**

- Enclosed
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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.

Lawrence Laubscher, Jr.

Name of Person Signing

Signature

November 26, 2002

Date

Total number of pages including cover sheet: **121**

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*** CERTIFICATE OF MAILING ***

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Assignments, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

on November 26, 2002
Date

Shelly Hubbard

PATENT
REEL: 013541 FRAME: 0336

ASSIGNMENT

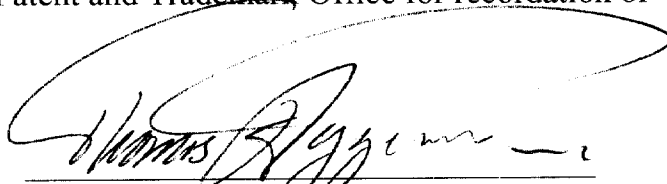
WHEREAS, we, Thomas Aggerstam, a citizen of Sweden, residing at Hagalundsgatan 22,169 63 Solna, Sweden; and Rickard von Wurtemberg, residing at Luxgatan 9, SE-112 62 Stockholm, Sweden have invented certain improvements in TRANSVERSE MODE AND POLARIZATION CONTROL OF SURFACE EMITTING LASERS THROUGH THE FORMATION OF A DIELECTRIC STACK as set forth in the application for U.S. Letters Patent Serial No. 10/242,070 filed September 12, 2002.

WHEREAS, **ZARLINK SEMICONDUCTOR AB**, a corporation of Sweden, having a place of business at P.O. Box 520, S-175 26 Jarfalla, Sweden is desirous of acquiring an interest therein.

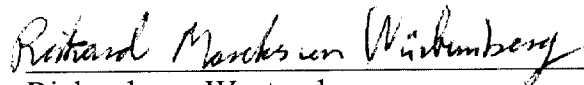
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration the receipt of which is hereby acknowledged, we, Thomas Aggerstam and Rickard von Wurtemberg, by these presents do hereby sell, assign and transfer unto ZARLINK SEMICONDUCTOR AB, the entire right, title and interest in and to said invention, as described in the patent application identified above, preparatory to obtaining Letters Patent of the United States therefor, as well as to any patent application thereon that may be filed in any country foreign to the United States, and to any divisional, continuation or continuation-in-part applications thereon that may be filed in the United States or any other country; said invention, application and Letters Patent to be held and enjoyed by the said ZARLINK SEMICONDUCTOR AB for its own use and behoof, and for its legal representatives or assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Lawrence E. Laubscher, Jr., attorney of record is hereby granted the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

11/20, 2002


Thomas AGGERSTAM

2002-11-20, 2002


Rickard von Wurtemberg