

REC

03-21-2005



3-1505

To the Director of the U.S. Patent and Trademark Office

102962783

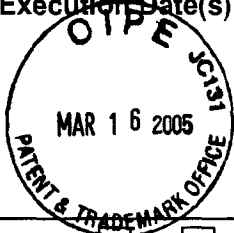
attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

KARLSSON, Magnus Karl-Olof

Execution Date(s) February 28, 2005

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



2. Name and address of receiving party(ies)

Name: ZARLINK SEMICONDUCTOR AB

Internal Address:

Street Address: Bruttovagen 2, P.O. Box 520

City: Jarfalla

State:

Country: SWEDEN

Zip: S-176 26

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)

11/038,353

03/17/2005 NBERHE 00000034 11038353

02 FC:8021

B. Patent No. (s)

Additional numbers attached?  Yes  No

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

Name: Lawrence E. Laubscher, Jr.

Internal Address:

Street Address: 1160 Spa Road, Suite 2B

City: Annapolis

State: Maryland

Zip: 21403

Phone Number: 410-280-6608

Fax Number: 410-280-6758

Email Address: llaubscher@laubscherlaw.com

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 1000

Expiration Date 10/05

b. Deposit Account Number 50-1936

Authorized User Name Lawrence E. Laubscher, Jr

9. Signature:

Signature

March 14, 2005

Date

Lawrence E. Laubscher, Jr.

Name of Person Signing

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

2

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

03/17/2005 NBERHE 00000034 11038353

02 FC:8021

40.00 DP

PATENT  
REEL: 016367 FRAME: 0510

# ASSIGNMENT

WHEREAS, **Magnus Karl-Olof Karlsson**, a citizen of Sweden, residing at Skraddarns backe 15, 19634 Kungsangen, Sweden, has invented certain improvements in **PLL PHASE/FREQUENCY DETECTOR WITH FULLY DIFFERENTIAL OUTPUT CHARGE PUMP** as set forth in the application for U.S. Letters Patent Serial No. 11/038,353 filed January 19, 2005.

WHEREAS, **ZARLINK SEMICONDUCTOR AB**, a corporation of Sweden, having a place of business at Bruttovagen 2, 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, I, **Magnus Karl-Olof Karlsson**, 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.

28 Feb, 2005

  
Magnus Karl-Olof KARLSSON