

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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)/Execution Date(s):
 Zarlink Semiconductor Inc.
 Execution Date(s) October 4, 2004
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: 1021 Technologies KK
 Internal Address: _____
 Street Address: 77-12 Gumyoji, Minami-KU
 City: Yokohama-city
 State: _____
 Country: Japan Zip: 232 0067
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 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)
 B. Patent No.(s)
6,697,423
 Additional numbers attached? Yes No

B. Patent No.(s)
6,697,423
 Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Thomas Adams
 Internal Address: _____
 Street Address: P.O. Box 11100, Station H
 City: Ottawa
 State: Ontario, Canada Zip: K2H 7T8
 Phone Number: 613 254 9111
 Fax Number: 613 254 9222
 Email Address: mail@adamspatent.ca

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 8621
 Expiration Date 01/09
 b. Deposit Account Number _____
 Authorized User Name Thomas Adams

9. Signature: *Thomas Adams*
 Signature
 Thomas Adams 31078
 Name of Person Signing

25th October 2004
 Date
 Total number of pages including cover sheet, attachments, and documents: 4

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

CP \$40.00 6697423

ASSIGNMENT

In consideration of one dollar and other good and valuable consideration, receipt of which is hereby acknowledged, Zarlink Semiconductor Inc. ("Assignor") whose post office address is 400 March Road, Ottawa, Ontario, Canada K2K 3H4 hereby sells, assigns and transfers to 1021 Technologies KK ("Assignee") whose post office address is 77-12 Gumyoji, Minami-Ku, Yokohama-city, Japan 232-0067 on an "as is" basis all its rights, title and interest to the extent that any such rights, title or interest may exist in and to the following invention entitled

Precursor Decision Feedback Equalizer

which was the subject of certain patent applications and/or issued patents in certain countries as identified and listed in Schedule A attached hereto and forming part hereof together with any rights, title and interest in and to any patents which may be re-issued based upon such patent applications and/or issued patents identified and listed in Schedule A.

And Assignor also agrees to do all such lawful acts and to execute without further consideration such further assurances, assignments, applications and other instruments as may reasonably be required by Assignee at Assignee's expense to vest such patent applications and/or issued patents identified and listed in Schedule A in Assignee.

By this Assignment, Assignee acknowledges that it assumes all responsibility for such patent applications and/or issued patents identified and listed in Schedule A commencing on the date this Assignment is executed by the parties.

SIGNED at Ottawa, Ontario this 4th day of October, 2004.

ZARLINK SEMICONDUCTOR INC.

By: 
Name: Desmond Byrne
Title: Vice President, Legal

STATEMENT OF WITNESS

I, Gail Casselman, whose full post office address is 5 Glenmoriston Ave., Ottawa, Ontario K2L 2S3 was personally present and did see Desmond Byrne who is known to me, execute this Assignment.

By: 
(signature of witness)

SIGNED at Ottawa
this 4th day of October, 2004.

1021 TECHNOLOGIES KK

By: [Signature]
Name: Ping-Ya Zhao
Position: CTO & VP R&D

STATEMENT OF WITNESS

17 Portedown Crescent

I, WENTAO LI, whose full post office address is Kanata, ON, K2W 1E8
was personally present and did see

who is known to me, execute the above Assignment.

By: [Signature]
(signature of witness)

SCHEDULE A

| Invention Title | Country | Date Filed | Application Serial No. | Patent No. |
|---------------------------------------|---------------|------------|------------------------|------------|
| Precursor Decision Feedback Equalizer | Great Britain | 18-Oct-99 | 9924624.1 | 2355629 |
| | France | 18-Oct-00 | 0013310 | 0013310 |
| | Germany | 17-Oct-00 | 10051490.1 | |
| | US | 10-Oct-00 | 09/685489 | 6,697,423 |

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