

06-27-2003

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14772 U.S. PTO
10/465012
06/18/03

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

1. Names of conveying parties:

6.18.03

- a) Yi Chou Chen
- b) Chih-Yuan Lu

2. Name and address of receiving party:

- a) Name: Macronix International Co., Ltd.
- b) Address: 16, Li-Hsin Road, Science-Based Industrial Park
Hsinchu, Taiwan, R.O.C.

3. Nature of conveyance

- | | | | |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment | <input type="checkbox"/> | Merger |
| <input type="checkbox"/> | Security Agreement | <input type="checkbox"/> | Change of Name |
| <input type="checkbox"/> | Other _____ | <input type="checkbox"/> | License Agreement |

Execution Date: June 17, 2003

4. Application Number: Not yet assigned

10465012

The title of the new application is: **MULTI-LEVEL MEMORY DEVICE AND METHODS FOR PROGRAMMING AND READING THE SAME**

5. Please send all correspondence concerning this document to:

Peter B. Martine
 MARTINE & PENILLA, LLP
 710 Lakeway Drive, Suite 170
 Sunnyvale, CA 94085
 Tel. No. (408) 749-6900
 Fax No.: (408) 749-6901
Customer No. 25920

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Any deficiency is authorized to be charged to Deposit Account No. 50-0805 (Order No. MXICP022)

8. 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.

Date: June 18, 2003

Peter B. Martine
 Registration No. 32,043

Attorney Docket No. MXICP022

(Revised 01/96)

PATENT
REEL: 014202 FRAME: 0204

06/23/2003 10:00:00 10465012
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ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas we the undersigned inventors have invented certain new and useful improvements as set forth in the patent application entitled:

MULTI-LEVEL MEMORY DEVICE AND METHODS FOR PROGRAMMING AND READING THE SAME

(Atty. Docket No. MXICP022) for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventors hereby:

- 1) Sell, assign and transfer to Macronix International Co., Ltd., a Taiwanese corporation having a place of business at 16, Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C. (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any divisions, continuations, substitutes or reissues thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside our signatures.

1) Signature: Yi Chou Chen
Typed Name: Yi Chou Chen

Date: 6/17/03

2) Signature: C. Y. Lu
Typed Name: Chih-Yuan Lu

Date: 6/17/03