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Name: **Macronix International Co., Ltd.**

Internal Address:

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Street Address: **16 Li-Hsin Road, Science-Based**

**Industrial Park, Hsinchu, Taiwan, Republic of China**

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Execution Date: **October 28, 2004**

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

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

If this document is being filed together with a new application, the execution date of the application is: **October 29, 2004**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: **Kenton R. Mullins**

Internal Address:

11/04/2004 GTDM11 00000192 501600 10977262

01 FC:8021 40.00 DA

Street Address: **Stout, Uxa, Buyan & Mullins, LLP**

**4 Venture, Suite 300**

City: **Irvine** State: **CA** ZIP: **92618**

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

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

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**Kenton R. Mullins**

**October 29, 2004**

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**PATENT**

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WHEN RECORDED, RETURN TO:

Kenton R. Mullins  
STOUT, UXA, BUYAN & MULLINS, LLP  
4 Venture, Suite 300  
Irvine, CA 92618

ASSIGNMENT

WHEREAS, I, HSIANG-LAN LUNG, residing in Taiwan, have invented certain new and useful improvements in:

**COMMON WORD LINE EDGE CONTACT PHASE-CHANGE MEMORY**

for which the said HSIANG-LAN LUNG has this 28<sup>th</sup> day of October, 2004 executed application papers for United States Letters Patent thereon;

WHEREAS, MACRONIX INTERNATIONAL CO., LTD., hereinafter called Assignee, having a place of business at 16 Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C., is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE TAIWAN NEW DOLLAR paid to me in hand paid by Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, HSIANG-LAN LUNG by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to the said invention as described in said applications, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent on said invention or resulting therefrom to said Assignee, as assignee of my entire right, title and interest, and I covenant that I have full right so to do and agree that I will communicate to said Assignee, or its successors any and all facts known to me regarding said invention whenever requested, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries;

AND, I HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue said United States Letters Patent to the said MACRONIX INTERNATIONAL CO., LTD.,

IN WITNESS WHEREOF, I have executed this instrument at 16 Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.,

this 28<sup>th</sup> day of October, 2004.

Witness:  
(print name)

Hsiang-Lan Lung  
HSIANG-LAN LUNG