



TO THE ASSISTANT COMMISSIONER FOR

102076354

documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

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

- 1.) Ming-Hung Chou
- 2.) Chia Hsing Chen

*4-24-02*

**Name:** Macronix International Co., Ltd.  
**Internal Address:** 16, Li-Hsin Road  
 Science-Based Industrial Park, Hsinchu, Taiwan  
 Republic of China

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

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

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

4. Application number(s) or Patent number(s):

Application(s) filed herewith *10,132,118*  
 Execution Date(s): March 31, 2002

Patent Application No.:  
 Filing Date:

Patent No.:  
 Issue Date:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1.) March 31, 2002 2.) March 31, 2002

Additional numbers attached?  Yes  No

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

**Name:** David N. Weiss  
 KNOBBE, MARTENS, OLSON & BEAR, LLP  
 Customer No. 20,995  
**Internal Address:** Sixteenth Floor  
**Street Address:** 620 Newport Center Drive  
**City:** Newport Beach **State:** CA **ZIP:** 92660  
**Attorney's Docket No.:** MXIC3.001A

7. Total fee (37 CFR 1.21(h)): \$40

Enclosed  
 Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

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.

David N. Weiss  
 Name of Person Signing

*David Weiss*  
 Signature

*April 24, 2002*  
 Date

41,371  
 Registration No.

Total number of pages including cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:

05/01/2002 LABELLER 00000274 10132118  
 01 FC:581 48.00 CP

U.S. Patent and Trademark Office  
 Attn: Assignment Division  
 Crystal Gateway-4  
 1213 Jefferson Davis Highway, Suite 320  
 Arlington, VA 22202

ASSIGNMENT

WHEREAS, We, Ming-Hung Chou, a Chinese citizen, residing at Hsinchu, Taiwan, Republic of China and Chia Hsing Chen, a Chinese citizen, residing at Hsinchu, Taiwan, Republic of China, have invented certain new and useful improvements in a SYSTEMS AND METHODS FOR REFRESHING NON-VOLATILE MEMORY for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Macronix International Co., Ltd. (hereinafter "ASSIGNEE"), a foreign Corporation, with its principal place of business at 16, Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, Republic of China, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed his signature.

This 31<sup>th</sup> day of March, 2002.

Ming-Hung Chou  
Signature of Ming-Hung Chou

Witness: Chin-Chuan Yeh

This 31<sup>th</sup> day of March, 2002.

Chia Hsing Chen  
Signature of Chia Hsing Chen

Witness: Sen-Yuan Chia

COPY

Application No.: Unknown  
Filing Date: Herewith

\* Do not record \*

PATENT  
Client Code: MXIC3.001A  
Page 1

ASSIGNMENT

WHEREAS, We, Ming-Hung Chou, a Chinese citizen, residing at Hsinchu, Taiwan, Republic of China and Chia Hsing Chen, a Chinese citizen, residing at Hsinchu, Taiwan, Republic of China, have invented certain new and useful improvements in a SYSTEMS AND METHODS FOR REFRESHING NON-VOLATILE MEMORY for which we have executed an application for Letters Patent in the United States, on even date herewith;

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AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

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Ming-Hung Chou  
Signature of Ming-Hung Chou

Witness: Chin-Chuan Yeh

This 31<sup>th</sup> day of March, 2002.

Chia Hsing Chen  
Signature of Chia Hsing Chen

Witness: Jen-Yuan Chiu