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FORM PTO-1596
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 4006-147



101954117

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies):

- 1) Chun-Lien SU
- 2) Chun-Chi WANG
- 3) Ming-Shang CHEN

1-14-02

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: July 21, 2001, December 27, 2001,
December 28, 2001

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

Name: Macronix International Co., Ltd.

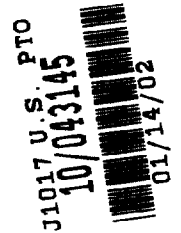
Internal Address:

Street Address: No. 16, Li Hsin Road, Science-Based Industrial Park

City: Hsinchu
Zip/Postal Code:

State or Area: Taiwan
Country: R.O.C.

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



4. Application number(s) or patent number(s): 10,043145

If the document is being filed together with a new application, the execution date of the application is: July 21, 2001, December 27, 2001, December 28, 2001

A. Patent Application No(s).

B. Patent No(s).

01/16/2002 RHARIS1 00000032 10043145
02 FC:581 40.00 00

Additional numbers attached? Yes No

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

Name: LOWE HAUPTMAN GILMAN & BERNER (22429)

Internal Address:

Street Address: 1700 Diagonal Road, Suite 310

City: Alexandria, Virginia 22314

6. Total number of applications and patents involved: 1

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

Please find enclosed a Credit Card Charge Form.

Authorized to be charged to deposit account

8. Deposit account number: 07-1337

DO NOT USE THIS SPACE

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.

Benjamin J. Hauptman Reg. No. 29,310
Name and Registration No. of Person Signing

Signature

January 14, 2002
Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____
METHOD FOR ELIMINATING POLYSILICON RESIDUE _____

The PATENT RIGHTS referred to in this agreement are:

(check one) a patent application for this invention, executed by the ASSIGNOR(S)
 concurrently with this assignment.

U.S. patent application Serial No. _____, filed _____

a U.S. patent application based on PCT International Application
 No. _____ filed on (date) _____ (U.S. patent application
 Serial No. _____, if known).

U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions reissues, continuations and extensions of
 the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one) U.S. patent rights only.

Worldwide patent rights. In this case, the assignee shall have the right to
 claim the benefit of the filing date of any U.S. or foreign patent application
 for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures
 appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) MACRONIX INTERNATIONAL CO., LTD.

(Address) No. 16, LI HSIN ROAD, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,
TAIWAN, R.O.C.

The ASSIGNEE is:

(check one) An individual.

A Partnership.

A Corporation of TAIWAN, R.O.C. (specify state or country)

(other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and
 valuable consideration, receipt of which is acknowledged, hereby assign(s) the following
 rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable
 provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: MACRONIX INTERNATIONAL CO., LTD.

INVENTION TITLE: METHOD FOR ELIMINATING POLYSILICON RESIDUE

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Chun-Lien SU

Name of sole or first inventor

Chun-Lien Su

Signature

7/21 2001 / July 21, 2001

Date

Chun-Chi WANG

Name of second inventor, if any

Chun-Chi Wang

Signature

Dec. 7, 2001

Date

Ming-Shang CHEN

Name of third inventor, if any

Ming Shang Chen

Signature

December 18, 2001

Date

Name of fourth inventor, if any

Signature

Date

Name of fifth inventor, if any

Signature

Date

Name of sixth inventor, if any

Signature

Date

Name of seventh inventor, if any

Signature

Date

Name of eighth inventor, if any

Signature

Date