



05-28-1999



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FORM PTO-1595

1-31-92

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Wenpin Lu Ying-Che Lo Ming-Jye Chiou Mam Tsung Wang Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: Macronix International Co., Ltd. Street Address: No. 3 Creation Road 3rd Science-Based Industrial Park City: Hsinchu, Taiwan, R.O.C. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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 Execution Date: <u>16 April 1999</u>	

4. Application number(s) or patent number(s): 09/268,557

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

A. Patent Application No.(s): 09/268,557

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mark A. Haynes Haynes & Beffel LLP P.O. Box 366 Half Moon Bay, CA 94019	6. Total number of applications and patents involved: <u>[1]</u> 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>50-0869</u> (Attorney Docket No.: <u>MXIC 1299-1</u>)
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05/19/1999 CAROVA 00000101 0926557


01 FC:581

40.00 DP

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.

Mark A. Haynes, Reg. No.: 30,846
Typed Name, Registration Number


Signature

14 May 1999
Date

Total number of pages including cover sheet, attachments and document: [5]

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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

(1) Wenpin Lu
No. 86, Alley 8, Lane 86, Taishan Road
I-Lan, Taiwan, R.O.C.

(2) Ying-Che Lo
No. 15, Alley 24, Lane 192, Linsen
Rd., Sec.2
Tainan, Taiwan, R.O.C.

(3) Ming-Jye Chiou
No.93, Wensan Li
Miaoli City, Miaoli, Taiwan, R.O.C.

(4) Mam Tsung Wang
No.18, Alley 3, Lane 162, Science Park
Road, Hsinchu, Taiwan, R.O.C.

hereinafter termed "Inventors", have invented certain new and useful improvements in

DEVICE AND METHOD FOR SUPPRESSING BIT LINE COLUMN LEAKAGE DURING ERASE VERIFICATION OF A MEMORY CELL

and have filed an application for a United States patent disclosing and identifying the above invention on 15 March 1999 as Application No. 09/268,557, OR are filing an such application herewith, and have executed an oath or declaration of inventorship for such application on:

(1) the _____ day of _____, 1999;

(2) the _____ day of _____, 1999;

(3) the _____ day of _____, 1999;

(4) the _____ day of _____, 1999;

(hereinafter termed "application"); and

WHEREAS, **Macronix International Co., Ltd.**, a corporation of Taiwan, having a place of business at No.3 Creation Road 3rd, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C. (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each

and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

State of _____)
County of _____)

Wenpin Lu
Wenpin Lu

On _____, 1999, before me, _____,
personally appeared _____,
☐ personally known to me or ☐ proved to me on the basis of
satisfactory evidence, to be the person whose name is subscribed to
the within instrument and acknowledged to me that he/she executed
the same in his/her authorized capacity, and that by his/her
signature on the instrument the person or the entity upon behalf of
which the person acted, executed the instrument.

4/16, 1999
Date

WITNESS my hand and official seal.

(Notary Public)

Ying-Che Lo
Ying-Che Lo

4/16/99
Date

State of _____)
County of _____)

On _____, 1999, before me, _____,
personally appeared _____,
☐ personally known to me or ☐ proved to me on the basis of
satisfactory evidence, to be the person whose name is subscribed to
the within instrument and acknowledged to me that he/she executed
the same in his/her authorized capacity, and that by his/her
signature on the instrument the person or the entity upon behalf of
which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Notary Public)

Ming-Jye Chiou
Ming-Jye Chiou

4/16/99
Date

State of _____)
County of _____)

On _____, 1999, before me, _____,
personally appeared _____,
☐ personally known to me or ☐ proved to me on the basis of
satisfactory evidence, to be the person whose name is subscribed to
the within instrument and acknowledged to me that he/she executed
the same in his/her authorized capacity, and that by his/her
signature on the instrument the person or the entity upon behalf of
which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Notary Public)

Mam-Tsung Wang

Mam-Tsung Wang

4/16/99

Date

State of)

County of)

On _____, 1999, before me, _____,
personally appeared _____,

☐ personally known to me or ☐ proved to me on the basis of
satisfactory evidence, to be the person whose name is subscribed to
the within instrument and acknowledged to me that he/she executed
the same in his/her authorized capacity, and that by his/her
signature on the instrument the person or the entity upon behalf of
which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Notary Public)

本文件之簽名或蓋章，經中華民國台灣新竹地方法院公証處公証人認証。

公証人 張智德

Attested on this _____ day, APR 16 1999
19____, at the Hsin Chu District court,
Taiwan, Republic of China, That the
signature(s)/seal(s) in this docu-
ment is/are authentic.

Jen Tzu Na
1745

Chung Goo Lee
Notary Public