

05-18-1999

FORM PTO-1595  
(Rev. 6/93)



DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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PATENTS ONLY

101040252

Attorney's Docket No. 032418-002

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Kuen-Long Chang  
Chun-Hsiung Hung  
Ken-Hui Chen  
I-Long Lee  
Yin-Shang Liu  
RayLin Wan



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

Name: MACRONIX INTERNATIONAL CO. LTD.

Address: No. 3 Creation Road 3rd

Science-Based Industrial Park

Hsinchu, Taiwan 300

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

Other: \_\_\_\_\_

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

Execution Date: December 18, 1998

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

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

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: James W. Peterson, Esq.

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

05/17/1999 JSHABAZZ 00000052 09172274

01 FC:581

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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.

Susan E. Heminger, Reg. 36,449  
Name of Person Signing

Susan E. Heminger  
Signature

5/12/99  
Date

Total number of pages including cover sheet, attachments, and document: 3

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

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

02-02-1999

RECORDATION 1  
PATENT



100954381

Docket No. 032418-002

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kuen-Long Chang, et al.

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

3. Nature of conveyance: 1-11-99

[X] Assignment [ ] Merger  
[ ] Security Agreement [ ] Change of Name

Other: \_\_\_\_\_

Execution Date: December 18, 1998

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Name: MACRONIX INTERNATIONAL CO. LTD.

Address: No. 3 Creation Road 3rd

Science-Based Industrial Park

Hsinchu, Taiwan 300

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

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Susan E. Heminger, Reg. 36,449  
Name of Person Signing

*Susan E. Heminger*  
Signature

1/8/99  
Date

Total number of pages including cover sheet, attachments, and document: 3

01/15/1999 09172274

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40.00 BP

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Washington, D.C. 20231

40E

# ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by KUEN-LONG CHANG, CHUN-HSIUNG HUNG, KEN-HUI CHEN, I-LONG LEE, YIN-SHANG LIU, and RAY-LIN WAN, residing at 4F, #21, ALLEY 23, LANE 109, PAO-YI ROAD, MUCHA, TAIPEI, TAIWAN 116 ; 9F-2, NO. 86 UNIVERSITY ROAD, HSINCHU, TAIWAN 300; NO. 139, CHENG-KUNG ROAD, TALI, TAICHUNG, TAIWAN 412; 3F, NO. 13-3, ALLEY 10, LANE 155, KUANG-FU ROAD, SC.II, HSINCHU, TAIWAN 300; NO. 10, ALLEY 5, LANE 113, YUH-LNG STREET, TSAO-TWEN, TAIWAN 542 and 709 WICHITAW DRIVE, FREMONT, CA 94539, USA (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in MEMORY CELL SENSE AMPLIFIER set forth in an application for Letters Patent of the United States,  which is a provisional application to be filed herewith;  which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application;  bearing Application No. 09/172,274, and filed on October 14, 1998; and

WHEREAS, MACRONIX INTERNATIONAL CO., LTD., a corporation duly organized under and pursuant to the laws of Taiwan, and having its principal place of business at No. 3 CREATION ROAD 3RD, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU, TAIWAN 300 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

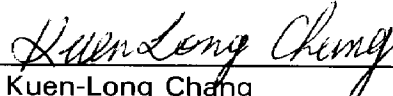
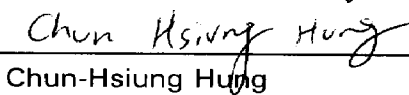
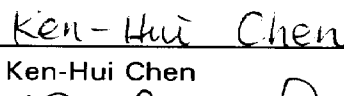

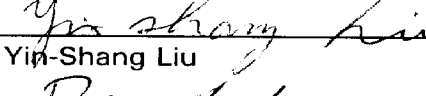

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date <u>Dec. 18 / 1998</u>	Signature of Assignor	<u></u> Kuen-Long Chang
Date <u>Dec 18 1998</u>	Signature of Assignor	<u></u> Chun-Hsiung Hung
Date <u>Dec. 18 1998</u>	Signature of Assignor	<u></u> Ken-Hui Chen
Date <u>Dec. 18 1998</u>	Signature of Assignor	<u></u> I-Long Lee
Date <u>Dec 18 1998</u>	Signature of Assignor	<u></u> Yin-Shang Liu
Date <u>Dec 18, 98'</u>	Signature of Assignor	<u></u> RayLin Wan