

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Wen-Yi HSIEH	11/29/2005
Nai-Ping KUO	11/29/2005
Chun-Hsiung HUNG	11/17/2005
Ken-Hui CHEN	11/29/2005
RECEIVING PARTY DATA	
Name:	Macronix International Co., Ltd.
Street Address:	No. 16, Li-Hsin Road
Internal Address:	Science-Based Industrial Park
City:	Hsinchu
State/Country:	TAIWAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11273120
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ATTORNEY DOCKET NUMBER:	681939.0009
NAME OF SUBMITTER:	S

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Total Attachments: 3

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Attorney Docket No.: 681939-22U1
Ref. No.: P930163

**ASSIGNMENT
(PATENT APPLICATION)**

WHEREAS, we, ("ASSIGNORS"):

<u>Inventor</u>	<u>Citizenship</u>	<u>Address</u>
Hsieh, Wen-Yi	Taiwan, Republic of China	No. 2-22, Yingsi Village, Sigang Township, Tainan County 723, Taiwan
Kuo, Nai-Ping	Taiwan, Republic of China	16F-3, No. 37, Jianjhong 1 st Rd., Hsinchu City 300, Taiwan
Hung, Chun-Hsiung	Taiwan, Republic of China	9F.-2, No. 86, Dasyue Rd., Hsinchu City 300, Taiwan
Chen, Ken-Hui	Taiwan, Republic of China	No. 139, Chenggong Rd., Dali City, Taichung County 412, Taiwan

having invented a certain new and useful invention entitled:

MEMORY DEVICE HAVING A VIRTUAL GROUND ARRAY AND METHODS USING PROGRAM ALGORITHM TO IMPROVE READ MARGIN LOSS

for which a United States patent application is to be filed or has been filed on 11/14/2005 under U.S. Patent Application No. 11/273,120; and

WHEREAS, ("ASSIGNEE"):

Macronix International Co., Ltd.
(A Taiwan, Republic of China Corporation)
Intellectual Property and Legal Office
No. 16, Lin-Hsin Road
Science-Based Industrial Park
Hsinchu, Taiwan, R.O.C.

is desirous of acquiring the entire right, title and interest in and to the invention throughout the United States and the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all countries throughout the world;

FOR GOOD and VALUABLE CONSIDERATION, the full receipt and sufficiency of which are hereby acknowledged, ASSIGNORS, intending to be legally bound, do hereby:

AUTHORIZE said ASSIGNEE, or its representatives to insert above the filing date and application number of the application when these are known;

SELL, ASSIGN, TRANSFER and CONVEY to ASSIGNEE the whole and entire right, title and interest for the United States and its possessions and territories and all foreign countries in and to the invention which is disclosed in the above-identified patent application, and, in and to any and all patent applications related thereto including, but not limited to, all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues and all other applications for patent which have been or shall be filed in the United States and all foreign countries on the invention; all original, reissued and reexamined patents and extensions thereof which have been or shall be issued in the United States and all foreign countries on the invention to the full end of the term or terms for which the patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNOR(S) had this Assignment not been made; and specifically including all rights of priority created by the above patent application under any treaty, convention or law relating thereto;

AUTHORIZE and REQUEST the issuing authority to issue any and all United States and foreign patents granted on the invention to ASSIGNEE;

WARRANT and REPRESENT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by ASSIGNORS, and that the full right to convey the same as herein expressed is possessed by ASSIGNORS;

AGREE and UNDERTAKE, when requested and at the expense of ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, ASSIGNORS will execute all non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues, and all other patent applications on the invention; execute all lawful oaths, declarations, assignments, powers of attorney and other papers; communicate to ASSIGNEE all facts known to ASSIGNORS relating to the invention and the history thereof; and generally do everything possible which ASSIGNEE shall consider desirable for vesting title to the invention in ASSIGNEE, and for securing, maintaining and enforcing proper patent protection for the invention; all without further compensation to ASSIGNORS;

TO BE BINDING on the heirs, assigns, representatives and successors of ASSIGNORS and extending to the successors, assigns, and nominees of ASSIGNEE.

Nov. 29th, 2005
Date

Hsieh, Wen-Yi
Hsieh, Wen-Yi

Nov. 29th, 2005
Date

Kuo, Nai-Ping
Kuo, Nai-Ping

Nov 17th 2005
Date

Hung, Chun-Hsiung
Hung, Chun-Hsiung

Nov 29th 2005
Date

Chen, Ken-Hui
Chen, Ken-Hui