

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chin-Hung Chang</td> <td>02/19/2008</td> </tr> <tr> <td>Wen-Chiao Ho</td> <td>02/19/2008</td> </tr> <tr> <td>Kuen-Long Chang</td> <td>02/19/2008</td> </tr> <tr> <td>Chun-Hsiung Hung</td> <td>02/19/2008</td> </tr> </tbody> </table>		Name	Execution Date	Chin-Hung Chang	02/19/2008	Wen-Chiao Ho	02/19/2008	Kuen-Long Chang	02/19/2008	Chun-Hsiung Hung	02/19/2008
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<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Macronix International Co., Ltd.										
<b>Street Address:</b>	No. 16 Li-Hsin Road										
<b>Internal Address:</b>	Science-Based Industrial Park										
<b>City:</b>	Hsinchu										
<b>State/Country:</b>	TAIWAN										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12028405</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12028405						
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Application Number:	12028405										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(650)712-0263										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	6507120340										
<b>Email:</b>	kmarley@hmbay.com										
<b>Correspondent Name:</b>	Mark A. Haynes										
<b>Address Line 1:</b>	P.O. Box 366										
<b>Address Line 2:</b>	Haynes Beffel & Wolfeld LLP										
<b>Address Line 4:</b>	Half Moon Bay, CALIFORNIA 94019										
<b>ATTORNEY DOCKET NUMBER:</b>	MXIC 1771-1										
<b>NAME OF SUBMITTER:</b>	Mark A. Haynes										
Total Attachments: 3											

OP \$40.00 12028405

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Atty Docket No. MXIC 1771-1  
(P950139US)

### JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

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|--|--|
| <p>(1) CHIN-HUNG CHANG 張欽鴻<br/>8F., No. 10, Alley 12, Lane 313<br/>Uen-Shian Road<br/>Tainan, Taiwan</p> | <p>(2) WEN-CHIAO HO 何文喬<br/>No. 220, Min-Sheng St.<br/>Tainan, Taiwan</p>            |
| <p>(3) KUEN-LONG CHANG 張坤龍<br/>4F No. 21, Alley 23, Lane 109<br/>Pao-Yi Road<br/>Taipei, Taiwan</p>      | <p>(4) CHUN-HSIUNG HUNG 洪俊雄<br/>9F-2, No. 86, Dasyue Road<br/>Hsinchu 300 Taiwan</p> |

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

### MULTI-LEVEL MEMORY CELL PROGRAMMING METHODS

and

have filed a non-provisional application for a United States patent disclosing and identifying the above invention on 08 February 2008 as Application No. 12/028,405,

are filing a non-provisional application herewith, and

have executed an oath or declaration of inventorship for such non-provisional application on:

(1) the \_\_\_\_\_ day of \_\_\_\_\_, 2008;

(2) the \_\_\_\_\_ day of \_\_\_\_\_, 2008;

(3) the \_\_\_\_\_ day of \_\_\_\_\_, 2008;

(4) the \_\_\_\_\_ day of \_\_\_\_\_, 2008;

(hereinafter termed "application"); and

WHEREAS, **Macronix International, Co., Ltd.**, a corporation of **Taiwan**, having a place of business at **No. 16, Li-Hsin Road, 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 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.

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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 applications and said invention; (b) in and to all rights to apply for foreign patents (including patent, utility model and industrial design) on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, including the right to claim priority from the applications; (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 extension of any of said patents.

2. Said Inventors hereby 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 application; (c) for filing and prosecuting substitute, divisional, continuing or additional application covering said invention; (d) for filing and prosecuting application 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 application 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, the Inventors' respective heirs, legal representatives and assigns.

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

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

Chin-Hung Chang  
Chin-Hung CHANG 張欽鴻

Date: 2008/2/19

Wen-Chiao Ho  
Wen-Chiao HO 何文喬

Date: 2008/2/19

Kuen-Long Chang  
Kuen-Long CHANG 張坤龍

Date: 2008/2/19

Chun-Hsiung Hung  
Chun-Hsiung HUNG 洪俊雄

Date: 2008/2/19