

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Han-Sung Chen</td> <td>04/06/2009</td> </tr> <tr> <td>Su-Chueh Lo</td> <td>04/06/2009</td> </tr> <tr> <td>Chun-Hsiung Hung</td> <td>04/06/2009</td> </tr> <tr> <td>Nai-Ping Kuo</td> <td>04/06/2009</td> </tr> <tr> <td>Ming-Chih Hsieh</td> <td>04/06/2009</td> </tr> <tr> <td>Wen-Pin Tsai</td> <td>04/07/2009</td> </tr> </tbody> </table>		Name	Execution Date	Han-Sung Chen	04/06/2009	Su-Chueh Lo	04/06/2009	Chun-Hsiung Hung	04/06/2009	Nai-Ping Kuo	04/06/2009	Ming-Chih Hsieh	04/06/2009	Wen-Pin Tsai	04/07/2009
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RECEIVING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Macronix International Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>16, Li Hsin Road, Science-Based Industrial Park</td> </tr> <tr> <td>City:</td> <td>Hsinchu</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> </table>		Name:	Macronix International Co., Ltd.	Street Address:	16, Li Hsin Road, Science-Based Industrial Park	City:	Hsinchu	State/Country:	TAIWAN						
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Application Number:	12421523														
CORRESPONDENCE DATA															
<p>Fax Number: (650)326-2422 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 650-326-2400 Email: dehawley@Townsend.com Correspondent Name: Townsend and Townsend and Crew LLP Address Line 1: Two Embarcadero Center, 8th Floor Address Line 4: San Francisco, CALIFORNIA 94111</p>															
ATTORNEY DOCKET NUMBER:	021265-000310US														
NAME OF SUBMITTER:	Dah-Bin Kao														

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PATENT
REEL: 022530 FRAME: 0231

Total Attachments: 2

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **HAN-SUNG CHEN** of No. 10, Lane 452, Jhongjheng Rd., Hsinchu City, 300 Taiwan; **SU-CHUEH LO** of 3F., No. 15, Lane 15, Zhongxiao Rd. Miaoli County, Miaoli City, 360 Taiwan; **CHUN-HSIUNG HUNG** of 9F.-2, No. 86, Dasyue Rd., Hsinchu City, 300 Taiwan; **NAI-PING KUO** of No. 16, Lising Rd., Hsinchu City, 300 Taiwan; **MING-CHIH HSIEH** of 2F., No. 45, Sec. 1, Jhihyuan 1st Rd., Beitou District, Taipei, Taiwan; and **WEN-PIN TSAI** of No. 10, Lane 452, Jhongjheng Rd., Hsinchu City, 300 Taiwan, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **APPARATUS AND METHOD FOR DETECTING
WORD LINE LEAKAGE IN MEMORY DEVICES**

Date(s) of execution of Declaration: April 6 and 7, 2009

Filing Date: Herewith

Application No.: : and

WHEREAS, **Macronix International Co., Ltd.**, a corporation of Taiwan, located at Intellectual Property and Legal Office, 16, Li Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C., , hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 2009.4.6

Han-Sung Chen
HAN-SUNG CHEN

Dated: 2009.4.6

Su-chueh Lo
SU-CHUEH LO

Dated: 2009.4.6

Chun Hsiung Hung
CHUN-HSIUNG HUNG

Dated: 2009.4.6

Nai-Ping Kuo
NAI-PING KUO

Dated: 2009.4.6

MING-CHIH HSIEH
MING-CHIH HSIEH

Dated: 2009.4.7

Wen-Pin Tsai
WEN-PIN TSAI

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