

**PATENT ASSIGNMENT**

Electronic Version v07

Stylesheet Version v02

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	<b>APPLICATION NUMBER</b> <b>10/250040</b>																	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF ASSIGNOR'S INTEREST																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;">Name</th> <th style="width:65%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>HSIN-YI HO</td> <td>2003-05-06</td> </tr> <tr> <td>NAI-PING KUO</td> <td>2003-05-06</td> </tr> <tr> <td>CHUN-HSIUNG HUNG</td> <td>2003-05-06</td> </tr> <tr> <td>GIN-LIANG CHEN</td> <td>2003-05-07</td> </tr> <tr> <td>WEN-CHIAO HO</td> <td>2003-05-07</td> </tr> <tr> <td>HO-CHUN LIOU</td> <td>2003-05-08</td> </tr> </tbody> </table>						Name	Execution Date	HSIN-YI HO	2003-05-06	NAI-PING KUO	2003-05-06	CHUN-HSIUNG HUNG	2003-05-06	GIN-LIANG CHEN	2003-05-07	WEN-CHIAO HO	2003-05-07	HO-CHUN LIOU	2003-05-08
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:18%;">Name</th> <th style="width:22%;">Street Address</th> <th style="width:22%;">Internal Address</th> <th style="width:12%;">City</th> <th style="width:15%;">State/Country</th> <th style="width:11%;">Postal Code</th> </tr> </thead> <tbody> <tr> <td>MACRONIX INTERNATIONAL CO., LTD.</td> <td>NO. 16, LI-HSIN RD., SCIENCE-BASED INDUSTRIAL PARK</td> <td></td> <td>HSINCHU</td> <td>TAIWAN</td> <td></td> </tr> </tbody> </table>						Name	Street Address	Internal Address	City	State/Country	Postal Code	MACRONIX INTERNATIONAL CO., LTD.	NO. 16, LI-HSIN RD., SCIENCE-BASED INDUSTRIAL PARK		HSINCHU	TAIWAN			
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MACRONIX INTERNATIONAL CO., LTD.	NO. 16, LI-HSIN RD., SCIENCE-BASED INDUSTRIAL PARK		HSINCHU	TAIWAN															
<b>CORRESPONDENCE DATA</b>																			
<p>FAX NUMBER: 886223697233</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.</p> <p>CUSTOMER NUMBER: 031561</p>																			
<b>NAME OF PERSON SIGNING:</b>		BELINDA LEE																	
<b>DATE SIGNED:</b>		2003-05-23																	
<p>Total Attachments: 2</p> <p>source=9924assignment1.tif</p> <p>source=9924assignment2.tif</p>																			

OP \$40.00 10250040

# ASSIGNMENT

WHEREAS,

- |                     |                   |
|---------------------|-------------------|
| 1. Hsin-Yi Ho       | 2. Nai-Ping Kuo   |
| 3. Chun-Hsiung Hung | 4. Gin-Liang Chen |
| 5. Wen-Chiao Ho     | 6. Ho-Chun Liou   |

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **DUAL REFERENCE CELL SENSING SCHEME FOR NON-VOLATILE MEMORY**

Filed: Serial No.

Executed concurrently with the execution of this instrument

WHEREAS, MACRONIX International Co., Ltd.  
of No. 16, Li-Hsin Rd., Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

# ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Hsin-Yi Ho  
Signature:

2003/5/6  
Date:

Sole or First Joint Inventor: Hsin-Yi Ho

Nai-Ping Kuo  
Signature:

2003/5/6  
Date:

Second Joint Inventor(if any): Nai-Ping Kuo

Chun-Hsiung Hung  
Signature:

2003/5/6  
Date:

Third Joint Inventor(if any): Chun-Hsiung Hung

Gin-Liang Chen  
Signature:

2003/5/7  
Date:

Fourth Joint Inventor(if any): Gin-Liang Chen

Wen-Chiao Ho  
Signature:

2003/5/7  
Date:

Fifth Joint Inventor(if any): Wen-Chiao Ho

Ho-Chun Liou  
Signature:

2003/5/8  
Date:

Sixth Joint Inventor(if any): Ho-Chun Liou