

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hang-Ting Lue</td><td>10/03/2006</td></tr><tr><td>Erh Kun Lai</td><td>10/03/2006</td></tr></tbody></table>		Name	Execution Date	Hang-Ting Lue	10/03/2006	Erh Kun Lai	10/03/2006
Name	Execution Date						
Hang-Ting Lue	10/03/2006						
Erh Kun Lai	10/03/2006						
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							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11549502</td></tr></tbody></table>		Property Type	Number	Application Number:	11549502		
Property Type	Number						
Application Number:	11549502						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Noel C. Gillespie						
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif							

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PATENT
REEL: 018390 FRAME: 0181

ASSIGNMENT

WHEREAS, we, the undersigned inventors of residences as listed, have invented certain new and useful improvements as below entitled, for which an application for United States Letters Patent is made, said applications having been designated as set forth below and filed on or about the date set forth below; and

WHEREAS, **Macronix International Co., Ltd.** (hereinafter referred to as "Assignee"),

a **Taiwan, R.O.C.** corporation

with an address of:

No. 16, Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.

desires to acquire the entire right, title and interest in and to the inventions, and in and to the said application and any Letters Patent(s) that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said inventions and in and to said applications and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we authorize and request the Commissioner of Patents and Trademarks to issue all patents for said inventions, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest in and to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Invention Name: **METHODS AND APPARATUS FOR IMPLEMENTING BIT-BY-BIT
ERASE OF A FLASH MEMORY DEVICE**

Date Filed:

Serial Number:

We hereby grant NOEL C. GILLESPIE, Registration No. 47,596, HOWARD N. WISNIA, Registration No. 37,502, LESTER J. ANDERSON, Registration No. 45,833, DAVID B. KOO, Registration No. 46,839, JAMES P. CONLEY, Registration No. 52,459, PAMELA J. WONG, Registration No. 54,765, JOHN G. FLAIM, Registration No. 37,323, BRIAN C. McCORMACK, Registration No. 36,601, WILLIAM D. McSPADDEN, Registration No. 44,234, JAMES H. ORTEGA, Registration No. 50,554, RICHARD V. WELLS, Registration No. 53,757 and LAURENCE KAO, Registration No. 56,387 and all attorneys with the firm of Baker & McKenzie (Customer Number 23562) with an office at 2001 Ross Avenue, Suite 2300, Dallas, TX 75201, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned further declares that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful and false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor:

Hang-Ting Lue

Inventor(s) Name:

Hang-Ting Lue

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Citizenship:

Taiwan, R.O.C.

Date:

October 3, 2006

Signature of Inventor:

Erh-Kun Lai

Inventor(s) Name:

Erh Kun Lai

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Citizenship:

Taiwan, R.O.C.

Date:

2006, 10, 3