PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
	Execution Date						
Hang-Ting Lue				01/04/2011			
Shih-Hung Chen	01/04/2011						
RECEIVING PARTY DATA							
Name:	Macronix International Co., Ltd.						
Street Address:	No. 16, Li-Hsi	No. 16, Li-Hsin Rd., Science-Based Industrial Park					
City:	Hsinchu	Hsinchu					
State/Country:	TAIWAN						
PROPERTY NUMBERS Total: 1							
Property Ty	уре		Number				
Application Number: 13009		13009	464				
CORRESPONDENCE DATA							
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Phone: 770-933-9500							
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ATTORNEY DOCKET NUMBER:			251310-1930				
NAME OF SUBMITTER:			Daniel R. McClure				
Total Attachments: 2 source=01290419#page1.tif source=01290419#page2.tif							

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

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WHEREAS Hang-Ting Lue and Shih-Hung Chen

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to MEMORY DEVICE, MANUFACTURING METHOD AND OPERATING METHOD OF THE SAME

 $[\times]$ the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on , authorization being hereby given to my attorney, THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P. of 100 GALLERIA PARKWAY, N.W. SUITE 1500 ATLANTA, GEORGIA 30339-5948, to insert here in parentheses (Application Serial No.) the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on ______, Serial No. ______, the United States of America being designated.

AND WHEREAS MACRONIX INTERNATIONAL CO., LTD. OF NO.16, LI-HSIN RD., SCIENCE-BASED INDUSTRIAL PARK, HSINCHU, TAIWAN, R.O.C., hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, in a sample and beneficial a manner as the said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 2

ASSIGNOR:		ASSIGNOR:	
Signature:	I-lang-Ting for	Signature:	Shih-Hung Chen
Printed Name:	Hang-Ting Lue	Printed Name:	Shih-Hung Chen
Date:	2011.1-4	Date:	1/4/2011
WITNESS:			
Signature:			
Printed Name:			
Date:			

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P. 旺宏編號 P990130 || 三達編號 US7161PA

RECORDED: 01/19/2011