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To the Director of the U.S. Patent and Trademark Office: Please	
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Chi-Ling CHU (3/13/2006), Hsien-Wen HSU (5/11/2006), and Jian-Yuan SHEN (3/13/2006)	MACRONIX INTERNATIONAL CO., Name: LTD.
	Internal Address:
Additional name(s) of conveying party(ies) attached?	Street Address:
3. Nature of conveyance/Execution Date(s):	
Execution Date(s): in parentheses after inventor name	No. 16, Li-Hsin Rd., Science-Based Industrial Park Hsinchu, Taiwan, R.O.C.
x Assignment Merger Change of Name	·
Security Agreement Joint Research Agreement	City:
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Zip:
Other	Additional name(s) & address(es) Yes X No attached:
4. Application or patent number(s): A. Patent Application No.(s) NEW	This document is being filed together with a new application. B. Patent No.(s)
Additional numbers attached? 5. Name and address to whom correspondence	Yes X No 6. Total number of applications and
concerning document should be mailed:	patents involved:
Name: Joe McKinney Muncy BIRCH, STEWART, KOLASCH & BIRCH, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: 4448-0209PUS1	Authorized to be charged by credit card
Street Address: 8110 Gatehouse Road	Authorized to be charged to deposit account
Suite 100 East P.O. Box 747	
F.O. BOX 747	X Enclosed None required (government interest not affecting title)
City: Falls Church	8. Payment Information
State: VA Zip: 22040-0747	a. Credit Card Last 4 Numbers
Phone Number: (703) 205-8026	Expiration Date
Fax Number: (703) 205-8050	b. Deposit Account Number
Email Address: mailroom@bskb.com	Authorized User Name
9. Signature: Augustian Market Marke	May 26, 2006
Signature	Date
Joe McKinney Muncy - 32,334 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:
3.500.00	

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Birch, Stewart, Kolasch & Birch, LLP

KM/sns

PATENT REEL: 017918 FRAME: 0199

ATTY. DOC. NO.: 4448-0209PUS

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 1 of 2

WHEREAS	Chi-Ling Chu, histen-wen Hist and Jian-Yuan Shen	
hereinafter refen	red to collectively as the assignor, has invented a certain improvement relating to	
NITRIDE READ	ONLY MEMORY (NROM) DEVICE AND METHOD FOR READING THE SAME	
[imes] the invento	or'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;	
$[\chi]$ said applica	ition having been filed in the United States Patent and Trademark Office on $5/26/2006$	
authorization bei	ng hereby given to my attomeys, BIRCH, STEWART, KOLASCH & BIRCH, LLP. of P.O. Box 747 • Falls	
Church, Virginia	22040-0747, to insert here in parentheses (Application Serial No \mathtt{NEW}^-) the application serial number of	
said application	when known;	
[] said applica	ation 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, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor 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.

BIRCH, STEWART, KOLASCH & BIRCH, LLP. 旺宏編號P930056 # 三達編號 US1662PA

> PATENT REEL: 017918 FRAME: 0200

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 2

ASSIGNOR:		ASSIGNOR:	
Signature:	Chi-ding Chu.	Signature:	
Printed Name:	Chi-Ling Chu	Printed Name:	Hsien-Wen Hsu
Date:	March 13, 2006	Date:	March 13, 2006
ASSIGNOR:		WITNESS:	
Signature:	Jian-Yuan Shen	Signature:	
Printed Name:	Jian-Yuan Shen	Printed Name:	•
Date:	March 13, 2006	Date:	

BIRCH, STEWART, KOLASCH & BIRCH, LLP. 旺宏編號 P930056 || 三達編號 US1662PA

> PATENT REEL: 017918 FRAME: 0201

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

ASSIGNOR:		ASSIGNOR:	
Signature:		Signaturo:	Hsien-Wer Hsy
Printed Name:	Chi-Ling Chu	Printed Name:	Hslon-Wen Hsu
Date:	May 11, 2006	Date:	May 11, 2006
ASSIGNOR:		witness:	
Signature:		Signoture:	
Printed Name:	Jian-Yusus Slieus	Printed Namo:	
Date:	May 11, 2006	Date.	

BIRCH, STEWART, KOLASCH & BIRCH, LLP. 旺宏協勢 P990056 引 三走協認 HS1662PA

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