FORM PTO-1596 Patent and Trademark Office **DOCKET NO.: 4006-143** 101943623 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Name: Macronix International Co., Ltd. 1-7-02 1) Shue-Shuen CHEN 2) Hsiang-Lan LUNG Internal Address: Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: Street Address: No. 16, Li Hsin Road, Science-Based Industrial X Assignment □ Merger Park Security Agreement ☐ Change of Name Other Execution Date: 2001 December 14 City: HSINCHU State or Area: Taiwan Zip/Postal Code: Country: R.O.C. Additional name(s) & address(es) attached? Yes X No 10,03636/ 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: 2001 December 14 B. Patent No(s). A. Patent Application No(s). 00000034 10036361 01/09/2002 MABDI1 Additional numbers attached? ☐ Yes ☒ No 40_00 OP 02 FC:581 6. Total number of applications and patents involved: $\underline{1}$ Name and address of party to whom correspondence concerning document should be mailed: Name: LOWE HAUPTMAN GILMAN & BERNER (22429) Internal Address: ☐ Authorized to be charged to deposit account Street Address: 1700 Diagonal Road, Suite 310 City: Alexandria, Virginia 22314 8. Deposit account number: 07-1337 OSE THIS SPACE DO NOT nation is true and correct and any attached copy is a true copy of 9. Statement and signature. To the best of my knowledge and belief, the foregoing info the original document. January 7, 2002 Benjamin J. Hauptman Reg. No. 29,310 Signature Name and Registration No. of Person Signing Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)

> PATENT REEL: 012442 FRAME: 0789

ASSIGNMENT

Non-Volatile Memory Circuit
The PATENT RIGHTS referred to in this agreement are:
(check one) a patent application for this invention, executed by the ASSIGNOR(S)
concurrently with this assignment.
U.S. patent application Serial No,filed
a U.S. patent application based on PCT International Application
Nofiled on (date)(U.S. patent application
Serial No, if known).
U.S. patent No, issued
The PATENT RIGHTS also include all divisions reissues, continuations and extensions of
the patents and patent applications identified above.
The PATENT RIGHTS assigned under this agreement are:
(check one) U.S. patent rights only.
Worldwide patent rights. In this case, the assignee shall have the right to
claim the benefit of the filing date of any U.S. or foreign patent application
for this invention.
The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures
appear on page 2 of this Assignment and any Supplemental Sheet(s).
The ASSIGNEE referred to in this agreement is:
(Name of Assignee) MACRONIX INTERNATIONAL CO., LTD.
(Address) No.16, LI HSIN ROAD, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,
TAIWAN, R.O.C.
The ASSIGNEE is:
(check one) An individual.
A Partnership.
A Corporation of
☐ (other) (specify state or country)
The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and
valuable consideration, receipt of which is acknowledged, hereby assign(s) the following
rights to the ASSIGNEE, its successors and assigns:
the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable
provisions, based on any earlier patent applications for this invention.

PATENT REEL: 012442 FRAME: 0790

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: MACRONIX INTERNATIONAL CO., LTD.

INENTION TITLE: Non-Volatile Memory Circuit

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Shue-Shuen CHEN	Chue-Chuen Chen	2001/12/14
Name of sole or first inventor	Signature	Date
Hsiang-Lan LUNG Name of second inventor, if any	Hairy Jan Jung Signature	2.30/ /11/14 Date
Name of third inventor, if any	Signature	Date
Name of fourth inventor, if any	Signature	Date
Name of fifth inventor, if any	Signature	Date
Name of sixth inventor, if any	Signature	Date
Name of seventh inventor, if any	Signature	Date
Name of eighth inventor, if any	Signature	Date

PATENT
RECORDED: 01/07/2002 REEL: 012442 FRAME: 0791