PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: **NEW ASSIGNMENT** NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

Name	Execution Date
Hsiang Lan Lung	01/11/2008
Chieh Fang Chen	01/14/2008

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: 2

Property Type	Number	
Application Number:	12016842	
Application Number:	60889856	

CORRESPONDENCE DATA

Fax Number: (650)712-0263

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

650-712-0340 Phone:

Email: kmarley@hmbay.com

MACRONIX C/O HAYNES BEFFEL & WOLFELD LLP Correspondent Name:

P. O. BOX 366 Address Line 1:

Address Line 4: HALF MOON BAY, CALIFORNIA 94019

ATTORNEY DOCKET NUMBER: MXIC 1777-2

NAME OF SUBMITTER: Jonathan M. Putnam

Total Attachments: 2 source=00064039#page1.tif source=00064039#page2.tif

500443531

PATENT

REEL: 020388 FRAME: 0984

ASSIGNMENT

WHEREAS, the undersigned,

- (1) Hsiang Lan Lung 龍翔瀾 107 Town Green Drive Elmsford, New York 10523
- (2) Chieh Fang Chen 陳介方 No. 4-3, Alley 89 Chung-Cheng Road Panchiao City Taiwan

hereinafter termed "Inventors", have invented certain new and useful improvements in

PHASE CHANGE MEMORY CELL WITH FILLED SIDEWALL MEMORY ELEMENT AND METHOD FOR FABRICATING THE SAME

and have filed a non-provisional application for a United States patent disclosing and identifying the above invention on 18 Jan 2008 as Application No. 12/016842 OR are filing such an application herewith, and have executed an oath or declaration of inventorship for such non-provisional application on:

(hereinafter termed "applications"); and

WHEREAS, Macronix International Co., Ltd., a corporation of Taiwan, having a place of business at No. 16, Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan R.O.C. (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said applications and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

{00059930.DOC }

Page 1

- 2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, the inventors' respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby warrant and represent that said inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below.

Hory dan dry	Date:	1-11-2008
HSIANG LAN LUNG 龍翔瀾		****
PATT Chreh-Fong	her	1-14-2008
CHIEH-FANG CHEN 陳介方	Date:	

(00059930.DOC)

REGORDED: 01/18/2008-S+6-+16