

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hsiang Lan Lung</td> <td>01/11/2008</td> </tr> <tr> <td>Chieh Fang Chen</td> <td>01/14/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hsiang Lan Lung	01/11/2008	Chieh Fang Chen	01/14/2008
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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: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12016840</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12016840		
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Application Number:	12016840						
CORRESPONDENCE DATA							
Fax Number:	(650)712-0263						
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NAME OF SUBMITTER:	Jonathan M. Putnam						
Total Attachments: 2 source=00064041#page1.tif source=00064041#page2.tif							

OP \$40.00 12016840

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. 12/016,840 OR are filing such an application herewith, and have executed an oath or declaration of inventorship for such non-provisional application on:

(1) the 11 day of Jan, 2008;

(2) the 14 day of Jan, 2008;

(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.

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