

10-31-2003



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19270 U.S. PTO
10/691173
102203

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

2. Name of conveying party(ies): 10-22-03
**Yi-Nan CHEN; Hui-Min MAO; Chih-Yuan HSIAO;
Ming-Cheng CHANG**
Additional name(s) of conveying parties attached?
 Yes No

2. Name and address of receiving party(ies)
Name: **Nanya Technology Corporation**
Internal Address:
Street Address: **Hwa-Ya Technology Park 669,
Fuhsing 3 Rd., Kueishan**
City: **Taoyuan** State: Zip:
Country: **Taiwan**
Additional names(s) & address(es) attached?
 Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of name
 Other:

Execution Date: **10/1/2003**

4. Application number(s) or patent number(s): 10691173
If this document is being filed together with a new application, the execution date of the new application is:
10/1/2003

A. Patent Application No.(s): **NEW**
B. Patent No.(s):
Additional numbers attached? Yes No

2. Name and address of party to whom correspondence concerning this document should be mailed.
Name: **Quintero Law Office**
Street Address: **1617 Broadway, 3rd Floor**
City: **Santa Monica** State: **CA** Zip: **90404**

6. Total number of applications and patents involved: **1**
7. Total fee (37 C.F.R. 3.41): \$40
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9. Signature.
Nelson A. Quintero, #52,143
Name of person signing

Signature

October 22, 2003
Date

Total number of pages including cover sheet, attachments, and documents: **3**

Form PTO-1595 (modified)

(v08/25/2002)

P102119CP

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10/30/2003 LNUELLER 00000104 502447 10691173

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PATENT
REEL: 014638 FRAME: 0865

ASSIGNMENT

WHEREAS, Yi-Nan CHEN, Hui-Min MAO, Chih-Yuan HSIAO and Ming-Cheng CHANG hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: MEMORY DEVICE WITH VERTICAL TRANSISTORS AND DEEP TRENCH CAPACITORS AND METHOD OF FABRICATING THE SAME

Filed: _____ Serial No. _____

Executed on: October 1, 2003

WHEREAS, NANYA TECHNOLOGY CORPORATION of Hwa-Ya Technology Park 669, Fuhsing 3 Rd., Kueishan, Taoyuan, Taiwan, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Yi-Nan Chen
Yi-Nan CHEN

October 1, 2003

Date:

Hui-Min MAO
Hui-Min MAO

October 1, 2003

Date:

ASSIGNMENT

Chih-Yuan Hsiao

Chih-Yuan HSIAO

October 1, 2003

Date:

Ming Cheng Chang

Ming-Cheng CHANG

October 1, 2003

Date: