

07-17-2003



102500073

COVER SHEET

7-3-03

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

15735 U.S. PTO  
10/612857  
07/03/03

2. Name of conveying party(ies):  
**Ming Cheng CHANG; Jeng-Ping LIN; Tie Jiang WU**  
Additional name(s) of conveying parties attached?  
☐ Yes ☒ No

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

Execution Date: 6/17/2003

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

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the new application is:  
**6/17/2003**

A. Patent Application No.(s): **10612857**  
**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, 3<sup>rd</sup> 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

Enclosed

☒ Authorized to be charged to deposit account, if  
**no fee attached.**

8. Deposit account number: **502447**

(Attach duplicate cover sheet if paying by deposit account)

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9. Signature.

**Nelson A. Quintero, #52,143**

Name of person signing

Signature

**July 3, 2003**

Date

Total number of pages including cover sheet, attachments, and documents: **2**

Form PTO-1595 (modified)

(v08/25/2002)

P101260CP

Mail documents to be recorded with required cover sheet to:  
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Transmit documents to be recorded with required covered sheet to:  
1 (703) 306-5995



## ASSIGNMENT

WHEREAS, Ming Cheng CHANG, Jeng-Ping LIN and Tie Jiang WU 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: DEVICE AND METHOD FOR DETECTING ALIGNMENT OF DEEP TRENCH  
CAPACITORS AND WORD LINES IN DRAM DEVICES

Filed: \_\_\_\_\_ Serial No. \_\_\_\_\_

Executed on: 17 June 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.

Ming Cheng Chang  
Ming Cheng CHANG

17 June 2003  
Date:

林正平 Jengping LIN  
Jeng-Ping LIN

17 June 2003  
Date:

Tie Jiang Wu  
Tie Jiang WU

17 June 2003  
Date: