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jc996 U.S. PTO  
10/222320  
08/16/02

1. Name of conveying party(ies):  
Wu-Der YANG *08/16/02*  
Additional name(s) of conveying parties attached?  YES  NO

2. Name and address of receiving parties:  
Name: NANYA TECHNOLOGY CORPORATION  
Internal Address: \_\_\_\_\_  
Street Address: Hwa-Ya Technology Park 669,  
Fuhsing 3 Rd. Kueishan, Taoyuan, Taiwan, R.O.C.  
City: Taoyuan State: \_\_\_\_\_  
Zip: \_\_\_\_\_ Country: Taiwan, R.O.C.  
Additional name(s) & address(es) attached?  YES  NO

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:  
Execution Date: August 8, 2002

4. Application number(s) or patent number(s): *10/222320*  
If this document is being filed together with a new application, the execution dates of the application are: August 8, 2002  
A. Patent Application No(s): \_\_\_\_\_ B. Patent No(s): \_\_\_\_\_  
Additional numbers attached?  YES  NO

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Richard P. Berg  
LADAS & PARRY  
Internal Address: \_\_\_\_\_  
Street Address: 5670 Wilshire Boulevard, #2100  
City: Los Angeles State: CA Zip: 90036

6. Total number of application and patents involved: [ 1 ]  
7. Total fee 937 CFR 3.41).....\$ 40.00  
 Enclosed  
Any additional fees which may be required are  
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
Name: Ross A. Schmitt *Ross A. Schmitt* August 16, 2002  
Name of Person Signing Signature Date  
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Total number of pages including cover sheet, attachments, and document: [ 2 ] plus \$40 check

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## ASSIGNMENT

WHEREAS, Wu-Der Yang  
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: METHOD OF QUICKLY DETERMINING WORD LINE FAILURE TYPE  
Filed: \_\_\_\_\_ Serial No. \_\_\_\_\_  
Executed on: August 8, 2002

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.

Wu-Der Yang  
Wu-Der Yang

August 8, 2002  
Date: