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U.S. DEPARTMENT OF COMMERCE  
States Patent and Trademark Office

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.



50-13-05

1. Name of conveying party(ies):

Richard Hiram WOMACK

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Thin Film Electronics ASA

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

3. Nature of conveyance/Execution Date(s):

Execution Date(s): June 30, 2004

- Assignment  Merger  Change of Name
- Security Agreement  Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

P.O. Box 1872 Vika

City: Oslo

State: \_\_\_\_\_

Country: Norway Zip: N-0124

Additional name(s) & address(es) attached?  Yes  No

4. Application or patent number(s):

A. Patent Application No.(s)  
10/884,762

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael K. Mutter  
BIRCH, STEWART, KOLASCH & BIRCH,  
LLP

Internal Address: Atty. Dkt.: 3672-0191PUS1

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

9. Signature:

October 13, 2005

Signature

Date

Michael K. Mutter - 29,680  
Name of Person Signing

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

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Birch, Stewart, Kolasch & Birch, LLP

MKM/CJB/rw

PATENT  
REEL: 017082 FRAME: 0675

**ASSIGNMENT**

I, RICHARD HIRAM WOMACK, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Thin Film Electronics ASA, having a place of business in Oslo, Norway N-0124, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed in the application for Letters Patent of the United States entitled:

Cross-Point Ferroelectric Memory that Reduces the Effects of Bit Line to Word Line Shorts

U.S. Serial No. 10/884,762, filed 7-1-2004 (Attorney Docket No.54592); and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. I agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

I further authorize and direct the attorneys identified in the Declaration for Patent filed with said patent application to insert the serial number and filing date of said application as identified by the above Attorney Docket No. in the space provided above as soon as the same shall have been made known to them by the United States Patent and Trademark Office, and to record this assignment.

June 30, 2004

Richard Hiram Womack  
RICHARD HIRAM WOMACK

COUNTY OF Bernalillo)  
STATE OF New Mexico)

SS

I hereby acknowledge that, before me in the County of Bernalillo, in the State of New Mexico, personally appeared RICHARD HIRAM WOMACK, who proved to me on the basis of satisfactory evidence to be the same, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

June 30, 2004

Alfred J. Jacobs  
Notary Public - My Commission Expires  
July 1, 2006