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U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 04805.0202  
Attorney Customer Number: 22,852

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ATTN. BOX ASSIGNMENTS RECORDATION  
SERVICESTo the Honorable Commissioner  
Please record the attached origi.1. Name of conveying party(ies):  
1) Sung Mun JUNG  
2) Jum Soo KIM2. Name and address of receiving party(ies):  
Name: DongbuAnam Semiconductor Inc.Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

Street Address: 891-10, Daechi-dong, Gangnam-gu,  
Seoul, Korea☒ Assignment ☐ Merger

City:

☐ Security Agreement ☐ Change of Name

State:

Zip Code:

☐ Other:

Additional name(s) &amp; Address(es) attached?

Execution Date: December 20, 2004

☐ 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 application: December 20, 2004

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

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

Name: Mr. Ernest F. Chapman

12/23/2004 ANABI1 00000024 11019304

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Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT  
& DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

6. Total number of applications and registrations involved:  
1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ Authorized to be charged to deposit account

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

9. Statement and signature.

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.

Ernest F. Chapman  
Reg. No. 25,961  
SignatureDecember 23, 2004  
Date

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

JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

**Non-volatile Memory Device and Fabricating Method Thereof**

for which we executed an application for United States Letters Patent concurrently herewith or on \_\_\_\_\_ or filed an application for United States Letters Patent on \_\_\_\_\_ (Application No. \_\_\_\_\_); and

WHEREAS, DongbuAnam Semiconductor Inc., a corporation of Korea, whose post office address is 891-10 Daechi-dong, Gangnam-gu, Seoul, Korea (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

**First Assignor**

Sung Mun JUNG  
103-1403 Hyunjin Apt.,  
Ganam-myun, Yeoju-gun, Kyunggido, Korea

Citizenship: Republic of Korea

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

Dec. 20. 2004

**Second Assignor**

Jum Soo KIM  
3-516 Sungwang Apt., 409-5 Sinha-ri,  
Bubal-eup, Icheon, Kyunggido, Korea

Citizenship: Republic of Korea

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

Dec. 20 / 2004