

FORM PRO-1595 (Modified)
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1. Name of conveying party(ies):
Hyung-rok OH
Sang-beom KANG
Woo-yeong CHO
Joon-min PARK

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **Samsung Electronics Co., Ltd.**
Address: **416, Maetan-dong, Yeongtong-gu,**

City: **Suwon-si** State/Prov.: **Gyeonggi-do**
Country: **Republic of Korea** ZIP: **442-742**

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

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

Execution Date: **February 14, 12, 12, 2008**

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

Patent Application No.	Filing date	B. Patent No.(s)
12/036,414	February 25, 2008	

Additional numbers Yes No

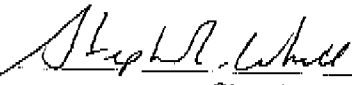
5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **STEPHEN R. WHITT**
Registration No. **34,753**
Address: **VOLENTINE & WHITT, PLLC**
ONE FREEDOM SQUARE
11951 FREEDOM DRIVE, SUITE 1260
City: **RESTON** State/Prov.: **VA**
Country: **USA** ZIP: **20190**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**
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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.

STEPHEN R. WHITT  **February 25, 2008**
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **4**

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PATENT

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VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC2215

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert
Name(s) of
Inventor(s)

- | | |
|--------------------------|-----------|
| 1. <u>Hyung-rok OH</u> | 7. _____ |
| 2. <u>Sang-beom KANG</u> | 8. _____ |
| 3. <u>Woo-yeong CHO</u> | 9. _____ |
| 4. <u>Joon-min PARK</u> | 10. _____ |
| 5. _____ | 11. _____ |
| 6. _____ | 12. _____ |

Insert
Name(s) of
Assignee(s) &

the undersigned hereby sell(s) and assign(s) to

Address(es)

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do 442-742, Republic of Korea

Title of
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

MULTI-LAYER SEMICONDUCTOR MEMORY DEVICE COMPRISING ERROR
CHECKING AND CORRECTION (ECC) ENGINE AND RELATED ECC METHOD

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by the undersigned on February 14, 12, 12, 12, 2008

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuing, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.2215

The undersigned hereby grant(s) the practitioners associated with the **CUSTOMER NUMBER 20987** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date Feb. 14, 2008 Signature of Inventor HYUNG - ROK OH
Hyung-rok OH

Date 12 Feb 2008 Signature of Inventor Sang-bom KANG
Sang-bom KANG

Date Feb. 12, 2008 Signature of Inventor WOOTGONG CHO
Woo-yong CHO

Date 12 Feb 2008 Signature of Inventor Joon-min park
Joon-min PARK

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

(Note regarding Witnessing: It is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been witnessed.)

Witness _____

Witness _____

Applicant Reference No. SS-30243-US

