

Docket No.: SEC.1942

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Sang-man BYUN
Sang-cheol KIM
Jong-hyoung LIM
Gwan-pyo HONG

2. Name and address of receiving party(ies):

Name: Samsung Electronics Co., Ltd.Address: 416, Maetan-dong, Ycongong-gu, Suwon-si

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____City: Gyeonggi-do

State/Prov.: _____

Country: Republic of Korea

ZIP: _____

Execution Date: May 16, 2007

Additional name(s) & address(es)

☐ Yes ☒ No

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)

11/774,052July 6, 2007

Additional numbers

☐ Yes ☒ No

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

Name: STEPHEN R. WHITTRegistration No. 34753Address: VOLENTINE & WHITT, PLLCONE FREEDOM SQUARE11951 FREEDOM DRIVE, SUITE 1260City: RESTONState/Prov.: VACountry: USAZIP: 20190

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0238

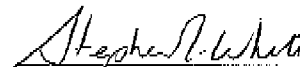
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9. Statement and signature.

*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

Name of Person Signing



Signature

July 6, 2007

Date

4

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

ATTORNEY DOCKET NO. SEC.1942**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. Sang-man BYUN

5. _____

2. Sang-cheol KIM

6. _____

3. Jong-hyoung LIM

7. _____

4. Gwan-pyo HONG

8. _____

Insert**Name(s) of
Assignee(s) &**

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

SAMSUNG ELECTRONICS CO., LTD.**Address(es)**of 416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do, Republic of Korea

(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

Title of**Invention**SEMICONDUCTOR MEMORY DEVICE CAPABLE OF ARBITRARILY SETTINGTHE NUMBER OF MEMORY CELLS TO BE TESTED AND RELATED TEST 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 May 16, 2007

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.1942

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 May 16, 2007 Signature of Inventor 
Song-mun BRUN

Date May 16, 2007 Signature of Inventor 
Song-cheol KIM

Date May 16, 2007 Signature of Inventor 
Song-hyung LIM

Date May 16, 2007 Signature of Inventor 
Gwan-pyo KONG

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-28163-US