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## 1. Name of conveying party(ies):

Hee-Seog JEON  
Seung-geom YOON  
Yong-tae KIM

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **October 29, 2004**

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

Name: **SAMSUNG ELECTRONICS CO., LTD.**Address: **416, Maetan-dong, Yeongtong-gu, Suwon-si**City: **Gyeonggi-do** State/Prov.: Country: **Republic of Korea** ZIP: 

Additional name(s) &amp; 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: **October 29, 2004**

Patent Application No.

Filing date

B. Patent No.(s)

NEW

DECEMBER 1, 2004

12/02/2004 HTECKLU1 00000042 11000011

03 FC:8021

40.00 DP

Additional numbers

☐ Yes ☒ No

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

Name: **LINUS Y. PARK**Registration No. **45,261**Address: **VOLENTINE FRANCOS & WHITT, PLLC****ONE FREEDOM SQUARE****11951 FREEDOM DRIVE, SUITE 1260**City: **RESTON**State/Prov.: **VA**Country: **U.S.A.**ZIP: **20190**

## 6. Total number of applications and patents involved:

1

7. 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:

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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.***LINUS Y. PARK**

Name of Person Signing

Signature

**DECEMBER 1, 2004**

Date

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PATENT  
REEL: 016044 FRAME: 0285

**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. Hee-seog JEON 5. \_\_\_\_\_
2. Seung-geom YOON 6. \_\_\_\_\_
3. Yong-tae KIM 7. \_\_\_\_\_
4. \_\_\_\_\_ 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 INCLUDING SELF-ALIGNED CHARGE

TRAPPING LAYER AND METHOD OF MANUFACTURING THE SAME

**Date of  
Signing of  
Application**

for which an application for patent in the United States of America has been executed by  
the undersigned on \_\_\_\_\_

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.

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.

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.

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

Date 2004. 10.29 Signature of Inventor Hee Seog Jeon  
Hee-seog JEON

Date 2004. 10.29 Signature of Inventor Seung-beom Yoon  
Seung-beom YOON

Date 2004. 10.29 Signature of Inventor Yong-tae Kim  
Yong-tae KIM

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

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-20487-US