

05-30-2006



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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):
KIM, Jun-Seuck

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, Suwon-si**

City: **Gyeonggi-do** State/Prov.: _____
Country: **Republic of Korea** ZIP: _____

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

112959 U.S. PTO
11/438315

052306

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

Execution Date: **May 22, 2006**

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: **May 22, 2006**

Patent Application No.	Filing date	B. Patent No.(s)
NEW	MAY 23, 2006	

Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **ADAM C. VOLENTINE**
Registration No. **33289**
Address: **VOLENTINE FRANCOS & WHITT, PLLC**
11951 FREEDOM DRIVE, SUITE 1260

City: **RESTON** State/Prov.: **VA**
Country: **USA** ZIP: **20190**

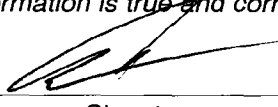
6. Total number of applications and patents involved: **1**

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

ADAM C. VOLENTINE  **MAY 23, 2006**
Name of Person Signing Signature Date

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

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VOLENTINE FRANCO & WHITT, P.L.L.C. (9/2004)

ATTORNEY DOCKET NO. SEC 1618

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. Jun-Seuck KIM 7. _____
- 2. _____ 8. _____
- 3. _____ 9. _____
- 4. _____ 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, 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 DEVICE AND METHOD OF MANUFACTURING THE SAME
BY USING ATOMIC LAYER DEPOSITION

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 22, 2006

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 FRANCO & WHITT, P.L.L.C. (9/2004)

ATTORNEY DOCKET NO. SEC.1618

The undersigned hereby grant(s) the practitioners associated with the CUSTOMER NUMBER 10987 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	<u>2006.05.22</u>	Signature of Inventor	 Jun-Seock KIM
Date	_____	Signature of Inventor	_____
Date	_____	Signature of Inventor	_____
Date	_____	Signature of Inventor	_____
Date	_____	Signature of Inventor	_____
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Date	_____	Signature of Inventor	_____
Date	_____	Signature of Inventor	_____

김준석 00201945122560135 20060522175839

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VOLENTINE FRANCO & WHITT, P.L.L.C. (9/2004)

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(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 if it has not been witnessed.)

Witness _____

Witness _____

.....
Applicant Reference No. PX2017-US/SSD