

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Joung-wook MOON</td> <td>04/06/2010</td> </tr> <tr> <td>Kwun-soo CHEON</td> <td>04/07/2010</td> </tr> <tr> <td>Jung-sik KIM</td> <td>04/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	Joung-wook MOON	04/06/2010	Kwun-soo CHEON	04/07/2010	Jung-sik KIM	04/06/2010		
Name	Execution Date										
Joung-wook MOON	04/06/2010										
Kwun-soo CHEON	04/07/2010										
Jung-sik KIM	04/06/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>442-742</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	416, Maetan-dong, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	Postal Code:	442-742
Name:	SAMSUNG ELECTRONICS CO., LTD.										
Street Address:	416, Maetan-dong, Yeongtong-gu										
City:	Suwon-si, Gyeonggi-do										
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF										
Postal Code:	442-742										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12753186</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12753186						
Property Type	Number										
Application Number:	12753186										
<b>CORRESPONDENCE DATA</b>											
Fax Number: (571)283-0740 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5712830720 Email: rbennett@volentine.com Correspondent Name: Stephen R. Whitt Address Line 1: Volentine & Whitt, PLLC Address Line 2: 111951 Freedom Drive, Suite 1260 Address Line 4: Reston, VIRGINIA 20190											
ATTORNEY DOCKET NUMBER:	SEC.2498										
NAME OF SUBMITTER:	Stephen R. Whitt										
Total Attachments: 3 source=SEC2498_Assignment#page1.tif											

CH \$40.00 12753186

**501159732**

**PATENT**  
**REEL: 024296 FRAME: 0586**

source=SEC2498\_Assignment#page2.tif

source=SEC2498\_Assignment#page3.tif

## ASSIGNMENT

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

Name(s) of Assignor(s)	1. <u>Jeong-wook MOON</u>	7. _____
	2. <u>Jeong-soo CHEON</u>	8. _____
	3. <u>Tung-sik KIM</u>	9. _____
	4. _____	10. _____
	5. _____	11. _____
	6. _____	12. _____

the undersigned hereby sell(s) and assign(s) to  
 Name(s) of  
 Assignee(s) & SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong, Yeongtong-gu,  
Daejeon-si, Gyeonggi-do 442-742, 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 TESTING MEMORY CELLS AND TEST  
METHOD

Date of  
 Assignment of  
 Application for which an application for patent in the United States of America has been executed by  
 the undersigned on April 6 and April 7, 2010

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 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 renewal 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 Apr. 06. 2010. Signature of Inventor Jung-wook Moon  
Joung-wook MOON

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
Kwan-soo CHEON

Date Apr. 06. 2010. Signature of Inventor Jung-sik Kim.  
Jung-sik KIM

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-34730-US



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

ATTORNEY DOCKET NO. SEC.2498

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 \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
Joung-wook MOON

Date APRIL 7, 2010 Signature of Inventor \_\_\_\_\_  
Kwon-soo CHEON

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
Jung-sik KIM

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-34730-US