

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ji-Young Kim</td> <td>09/26/2011</td> </tr> <tr> <td>Gyo-Young Jin</td> <td>09/26/2011</td> </tr> <tr> <td>Hyeong-Sun Hong</td> <td>09/26/2011</td> </tr> <tr> <td>Yong-Chul Oh</td> <td>09/26/2011</td> </tr> <tr> <td>Yoo-Sang Hwang</td> <td>09/26/2011</td> </tr> <tr> <td>Sung-Kwan Choi</td> <td>09/26/2011</td> </tr> <tr> <td>Dong-Soo Woo</td> <td>09/26/2011</td> </tr> <tr> <td>Hyun-Woo Chung</td> <td>09/26/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ji-Young Kim	09/26/2011	Gyo-Young Jin	09/26/2011	Hyeong-Sun Hong	09/26/2011	Yong-Chul Oh	09/26/2011	Yoo-Sang Hwang	09/26/2011	Sung-Kwan Choi	09/26/2011	Dong-Soo Woo	09/26/2011	Hyun-Woo Chung	09/26/2011
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RECEIVING PARTY DATA																			
Name:	Samsung Electronics Co., Ltd.																		
Street Address:	416 Maetan-dong, Yeongtong-gu																		
City:	Suwon-si, Gyeonggi-do																		
State/Country:	REPUBLIC OF KOREA																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13298644</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13298644														
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Application Number:	13298644																		
CORRESPONDENCE DATA																			
Fax Number:	(919)854-1401																		
Phone:	919-854-1400																		
Email:	twallace@myersbigel.com																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC																		
Address Line 1:	PO BOX 37428																		
Address Line 4:	RALEIGH, NORTH CAROLINA 27627																		
ATTORNEY DOCKET NUMBER:	5649-3341																		

CH \$40.00 13298644

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PATENT
REEL: 027245 FRAME: 0001

NAME OF SUBMITTER:

Tracy Wallace

Total Attachments: 10

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Ji-Young Kim**, citizen of the Republic of Korea, residing at 103-1001, Sinil Apt., Eonnam-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; **Gyo-Young Jin**, citizen of the Republic of Korea, residing at B-503, Samik Apt. , 51, Yeouido-dong, Yeongdeungpo-gu, Seoul, Republic of Korea; **Hyeong-Sun Hong**, citizen of the Republic of Korea, residing at 514-2001, Hyojachon Samhwan Apt., Seohyeon-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; **Yong-Chul Oh**, citizen of the Republic of Korea, residing at 424-1301 Cheongmyeong Maeul Geonyoung Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Yoo-Sang Hwang**, citizen of the Republic of Korea, residing at 1001-504, Bangjuk Maeul Yeongtong Tranchae Apt., Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea; **Sung-Kwan Choi**, citizen of the Republic of Korea, residing at 341-102, Sibeom Daeun Maeul World Meridian Bando Yubora Apt., Banson-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; **Dong-Soo Woo**, citizen of the Republic of Korea, residing at 103-402 Woosung Apt., Bongcheon-dong, Gwanak-gu, Seoul, Republic of Korea; **Hyun-Woo Chung**, citizen of the Republic of Korea, residing at 520-22, Mangu 3-dong, Jungnang-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in *SEMICONDUCTOR DEVICES INCLUDING DUAL GATE ELECTRODE STRUCTURES AND RELATED METHODS*, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 13/298,644, filed 11/17/11) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

ASSIGNMENT – CONTINUED

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefore or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

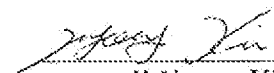
We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

ASSIGNMENT -- CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26th day
of September, 2011.



Ji-Young Kim

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26th day
of September, 2011.



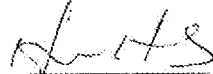
Gyo-Young Jin

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21st day
of September, 2011.



Hyeong-Sun Hong

Witnessed by:

Date: _____

ASSIGNMENT -- CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26th day
of September, 2011.

Yong-Chul Oh
Yong-Chul Oh

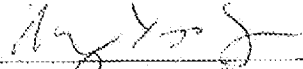
Witnessed by:

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Date:

ASSIGNMENT - CONTINUED

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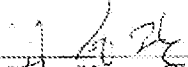
Yoo-Sang Hwang

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26th day
of September, 2011.



Sung-Kwan Choi

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24th day
of September, 2011.

Dong-Soo Woo

Dong-Soo Woo

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26th day
of September, 2011.

Hyun-woo CHUNG
Hyun-Woo Chung

Witnessed by:

Date: _____