

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Sang-jin Hyun</td><td>05/13/2008</td></tr><tr><td>Si-young Choi</td><td>05/13/2008</td></tr><tr><td>In-sang Jeon</td><td>05/13/2008</td></tr><tr><td>Gab-jin Nam</td><td>05/13/2008</td></tr><tr><td>Sang-bom Kang</td><td>05/21/2008</td></tr><tr><td>Sug-hun Hong</td><td>05/13/2008</td></tr></tbody></table>	Name	Execution Date	Sang-jin Hyun	05/13/2008	Si-young Choi	05/13/2008	In-sang Jeon	05/13/2008	Gab-jin Nam	05/13/2008	Sang-bom Kang	05/21/2008	Sug-hun Hong	05/13/2008	
Name	Execution Date														
Sang-jin Hyun	05/13/2008														
Si-young Choi	05/13/2008														
In-sang Jeon	05/13/2008														
Gab-jin Nam	05/13/2008														
Sang-bom Kang	05/21/2008														
Sug-hun Hong	05/13/2008														
RECEIVING PARTY DATA															
Name:	Samsung Electronics Co., Ltd.														
Street Address:	416 Maetan-dong, Yeongtong-gu														
Internal Address:	Suwon-si														
City:	Gyeonggi-do														
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF														
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>12130646</td></tr></tbody></table>	Property Type	Number	Application Number:	12130646											
Property Type	Number														
Application Number:	12130646														
CORRESPONDENCE DATA															
Fax Number:	(919)854-1400														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	919-854-1400														
Email:	kcarlos@myersbigel.com														
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC														
Address Line 1:	PO BOX 37428														
Address Line 4:	RALEIGH, NORTH CAROLINA 27627														
ATTORNEY DOCKET NUMBER:	5649-2384														
NAME OF SUBMITTER:	Kirsten S. Carlos														

CH \$40.00 12130646

PATENT

500553863

REEL: 021023 FRAME: 0632

Total Attachments: 7

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

source=Assignment#page7.tif

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Sang-jin Hyun**, citizen of the Republic of Korea, residing at 1001-1402, BangJuk Maeul Yeongtong Tranchae Apt., Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Si-young Choi**, citizen of the Republic of Korea, residing at 137-204, Park Town Lotte Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; **Ja-sang Jeon**, citizen of the Republic of Korea, residing at 316-165, Sadang 4-dong, Dongjak-gu, Seoul, Republic of Korea; **Gab-jin Nam**, citizen of the Republic of Korea, residing at 1-709, Shindongah Apt., Seocho 2-dong, Seocho-gu, Seoul, Republic of Korea; **Sang-bom Kang**, citizen of Republic of Korea, residing at 111-504, Banpo Apt., 919, Banpo-dong, Seocho-gu, Seoul, Republic of Korea; and **Sug-hun Hong**, citizen of Republic of Korea, residing at 104-1903, Hyundai Apt., Seocheon-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FORMING DEVICES INCLUDING DIFFERENT GATE INSULATING LAYERS ON PMOS/NMOS REGIONS**, 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. 12/130,646, filed 5/30/08) 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;

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 therefor or thereon, for the full

ASSIGNMENT - CONTINUED

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.

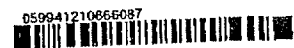
We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day of May, 2008.

Sangjin Hyun (SEAL)
Sang-jin Hyun

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of May, 2008.

Si-yong Choi (SEAL)
Si-yong Choi

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of May, 2008.

In Sang Jeon. (SEAL)
In-sang Jeon

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of May, 2008.

Gab-jin Nam (SEAL)
Gab-jin Nam

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21 day
of May, 2008.

Sang Bom Kang (SEAL)
Sang-bom Kang

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of May, 2008.

Sug-hun Hong (SEAL)
Sug-hun Hong

Witnessed by:

Date: _____

