

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Joo-Young Lee	04/27/2010
Dong-Gun Park	04/28/2010
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-dong, Yeongtong-gu
Internal Address:	Suwon-si
City:	Gyeonggi-do
State/Country:	REPUBLIC OF KOREA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12770942
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ATTORNEY DOCKET NUMBER:	5649-2935
NAME OF SUBMITTER:	Candi L. Riggs
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

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PATENT
REEL: 024315 FRAME: 0673

Attorney Docket No. 5649-2935

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Joo-Young Lee**, citizen of the Republic of Korea, residing at 206-604 Sibeom Hanbit Maeul Sambu Renaissance Apt., Bansong-ri, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea; and **Dong-Gun Park**, citizen of the Republic of Korea, residing at 101-802 Lotte Castle Nobel, 835-68, Yeoksam-dong, Gangnam-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **SEMICONDUCTOR DEVICES HAVING RECESSED CHANNELS AND METHODS OF FORMING THE SAME** 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. 12/770,942, filed 4/30/10) 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 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.

Attorney Docket No. 5649-2935

ASSIGNMENT - CONTINUED

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 27 day
of April, 2010.

Joo-Young Lee (SEAL)
Joo-Young Lee

Witnessed by:

Date: _____

Attorney Docket No. 5649-2933

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28 day
of April, 2010.

Donggun Park (SEAL)
Dong-Gun Park

Witnessed by:

Date:
