

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chang Hyun Kim</td> <td>01/03/2007</td> </tr> <tr> <td>Ki Whan Song</td> <td>01/03/2007</td> </tr> </tbody> </table>		Name	Execution Date	Chang Hyun Kim	01/03/2007	Ki Whan Song	01/03/2007
Name	Execution Date						
Chang Hyun Kim	01/03/2007						
Ki Whan Song	01/03/2007						
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, REPUBLIC OF						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11622584</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11622584		
Property Type	Number						
Application Number:	11622584						
CORRESPONDENCE DATA							
Fax Number:	(919)854-1401						
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Address Line 4:	Raleigh, NORTH CAROLINA 27612						
ATTORNEY DOCKET NUMBER:	5649-2045						
NAME OF SUBMITTER:	Candi L. Riggs						

Total Attachments: 3
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**PATENT
 REEL: 018752 FRAME: 0751**

CH \$40.00 11622584

Attorney Docket 5649-2045

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Ki-whan Song**, citizen of the Republic of Korea, residing at Ga-1202, Dongshin Apt., Dogok-dong, Gangnam-gu, Seoul, Republic of Korea; and **Chang-hyun Kim**, citizen of the Republic of Korea, residing at 301-504, Yangji Maetul Kumho Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FORMING FIELD EFFECT TRANSISTORS AND CAPACITOR-FREE DYNAMIC RANDOM ACCESS MEMORY CELLS** 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. 11/622,584, filed 11/12/07) 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.

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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 3rd day of Jan., 2007.



Ki-whan Song (SEAL)

Witnessed by:

Date: _____



Attorney Docket No. 5649-2045

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 3rd day
of Jan., 2007.



Chang-hyun Kim (SEAL)

Witnessed by:

Date: _____

