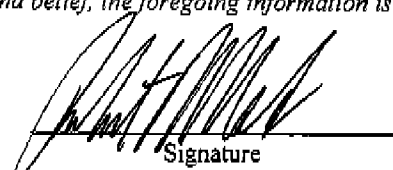
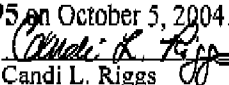


**ASSIGNMENT RECORDATION FORM COVER SHEET** *Patents Only*

To: Commissioner for Patents:		Date: October 5, 2004 Attorney Docket No. 5649-1327
Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies):  [1.] Gyu-chul Kim [2.] Sung-bong Kim  Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies):  Samsung Electronics Co., Ltd. 416 Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea  Additional name(s) & address(es) attached? Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: [1.] August 2, 2004 [2.] August 2, 2004		
4. Application Serial No. <u>10/991,907</u> , filed <u>August 5, 2004</u>  If this document is being filed together with a new application, the execution date of the application is: _____  Additional numbers attached? Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed:  Robert M. Meeks Myers Bigel Sibley & Sajovec P. O. Box 37428 Raleigh NC 27627	6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: 50-0220	
DO NOT USE THIS SPACE		
9. Statement and signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <u>Robert M. Meeks #40.723</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <u>October 5, 2004</u>            Date         </div> </div> Total number of pages including cover sheet, attachments and document: <u>3</u>		
<p style="text-align: center;"><b>CERTIFICATION OF FACSIMILE TRANSMISSION</b>  <b>UNDER 37 CFR § 1.8</b></p> <p>I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office via facsimile number <u>703-306-5995</u> on <u>October 5, 2004</u>.</p> <p style="text-align: right;">             Candi L. Riggs         </p>		

CH \$40.00 500220 10991907

Attorney Docket 5649-1327

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Gyu-chul Kim**, citizen of the Republic of Korea, residing at 210-602, Mujigae Maeul LG Apt., 202, Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; and **Sung-bong Kim**, citizen of the Republic of Korea, residing at 115-1704, Byuksan Apt., Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea;

**WITNESSETH: That,**

WHEREAS, we are the joint inventors of certain new and useful improvements in **MEMORY DEVICES WITH MEMORY CELL TRANSISTORS HAVING GATE SIDEWALL SPACERS WITH DIFFERENT DIELECTRIC PROPERTIES AND METHODS OF FABRICATING 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. 10/911,907, filed August 5, 2004) 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.

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, we have hereunto set our hands and seals on this 2 day of Aug., 2004.

Gyu Chul Kim  
Gyu-chul Kim

SUNG BONG KIM  
Sung-bong Kim

Witnessed by:

SOON BYUNG PARK

Date: 2. AUG, 2004

Witnessed by:

KWANGOK KOH

Date: 2. Aug, 2004

MYERS BIGEL SIBLEY & SAJOVEC, P.A.  
Patent Attorneys  
4140 Parklake Avenue, Suite 600, Raleigh, NC 27612  
or  
P.O. Box 37428  
Raleigh, NC 27627  
919-854-1400  
Facsimile 919-854-1401

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**From:** Robert M. Meeks, Esq.  
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