

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sang-Beom Kang	02/18/2010
Chul-Woo Park	02/22/2010
Hyun-Ho Choi	02/23/2010
Ho-Jung Kim	02/22/2010

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:	12711416

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	5649-2903
NAME OF SUBMITTER:	Candi L. Riggs

Total Attachments: 5
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**PATENT
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Attorney Docket No. 5649-2903

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Sang-Beom Kang**, citizen of the Republic of Korea, residing at 103-301 Samsung Raemian 1 Cha Apt., Gisan-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; **Chul-Woo Park**, citizen of the Republic of Korea, residing at 107-502 Daewoo Prugio, Seongbok-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea; **Hyun-Ho Choi**, citizen of the Republic of Korea, residing at 836-301 Byeokjeokgol 8 Danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Ho-Jung Kim**, citizen of the Republic of Korea, residing at 116-1403 Neulpureun Byoksan 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 **RESISTIVE MEMORY DEVICES AND METHODS OF CONTROLLING OPERATIONS OF 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. 12/711,416, filed 2/24/10) 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

Attorney Docket No. 5649-2903

ASSIGNMENT - CONTINUED

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 18th day of February, 2010.

 (SEAL)
Sang-Beom Kang

Witnessed by: _____

Date: _____

Attorney Docket No. 5649-2903

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22nd day
of February, 2010.

Chul-Woo Park (SEAL)
Chul-Woo Park

Witnessed by:

Date: _____

Attorney Docket No. 5649-2903

ASSIGNMENT - CONTINUED

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

Hyun-ho Choi (SEAL)
Hyun-Ho Choi

Witnessed by:

Date: _____

Attorney Docket No. 5649-2903

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22 day
of February, 2010.

Ho Jung Kim (SEAL)
Ho-Jung Kim

Witnessed by: _____

Date: _____



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