

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<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>Eun Jung Yun</td> <td>01/17/2007</td> </tr> <tr> <td>Sung Young Lee</td> <td>01/17/2007</td> </tr> <tr> <td>Min Sang Kim</td> <td>01/17/2007</td> </tr> <tr> <td>Sung Min Kim</td> <td>01/17/2007</td> </tr> <tr> <td>Kyoung Hwan Yeo</td> <td>01/19/2007</td> </tr> </tbody> </table>		Name	Execution Date	Eun Jung Yun	01/17/2007	Sung Young Lee	01/17/2007	Min Sang Kim	01/17/2007	Sung Min Kim	01/17/2007	Kyoung Hwan Yeo	01/19/2007
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Samsung Electronics Co., Ltd.												
<b>Street Address:</b>	416 Maetan-dong, Yeongtong-gu												
<b>Internal Address:</b>	Suwon-si												
<b>City:</b>	Gyeonggi-do												
<b>State/Country:</b>	KOREA, REPUBLIC OF												
<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(919)854-1401												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	919-854-1400												
<b>Email:</b>	criggs@myersbigel.com												
<b>Correspondent Name:</b>	Myers Bigel Sibley & Sajovec PA												
<b>Address Line 1:</b>	4140 Parklake Avenue												
<b>Address Line 2:</b>	Suite 600												
<b>Address Line 4:</b>	Raleigh, NORTH CAROLINA 27612												
<b>ATTORNEY DOCKET NUMBER:</b>	5649-2013												
<b>NAME OF SUBMITTER:</b>	Candi L. Riggs												

**CH \$40.00 11668115**

**Total Attachments: 6**

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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Eun-Jung Yun**, citizen of the Republic of Korea, residing at 316-607 Sinbanpo Hanshin Apt., Jamwon-dong, Seocho-gu, Seoul, Republic of Korea; **Sung-Young Lee**, citizen of the Republic of Korea, residing at 102-1303 Hyundai Hometown Apt., 705 Seocheon-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea ; **Min-Sang Kim**, citizen of the Republic of Korea, residing at 696-15 Sindaebang 1-dong, Dongjak-gu, Seoul, Republic of Korea; **Sung-Min Kim**, citizen of the Republic of Korea, residing at 108-2204 Sambu Apt., Bugae 3-dong, Bupyeong-gu, Incheon, Republic of Korea; and **Kyoung-Hwan Yeo**, citizen of the Republic of Korea, residing at 2-1001 Mujigae Apt., 1335 Seocho-dong, Seocho-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **NON-VOLATILE MEMORY DEVICES HAVING STACKED STRUCTURES 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. 11/668,115, filed January 29, 2007) 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

**ASSIGNMENT – CONTINUED**

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 \_\_\_\_\_ day of June 19<sup>th</sup>, 2007.

Eun-Jung Yun (SEAL)  
**Eun-Jung Yun**

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day  
of Jan. 17th, 2007.

Sung-Young Lee (SEAL)  
**Sung-Young Lee**

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day  
of Jan. 17th, 2007.

Min-Sung Kim (SEAL)  
**Min-Sang Kim**

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day  
of Jan. 11th, 2007.

Sung-Min Kim (SEAL)  
Sung-Min Kim

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day  
of Jan 19th, 2007.

Kyoung-Hwan Yeo (SEAL)  
Kyoung-Hwan Yeo

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_