

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Byung-Gil Jeon	08/05/2010
Kang-Woon Lee	08/19/2010
Byung-Jun Min	08/05/2010
Han-Joo Lee	08/16/2010

**RECEIVING PARTY DATA**

Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-dong
Internal Address:	Yeongtong-gu, Suwon-si
City:	Gyeonggi-do
State/Country:	REPUBLIC OF KOREA

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12844621

**CORRESPONDENCE DATA**

Fax Number: (919)854-1400  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 919-854-1400  
 Email: criggs@myersbigel.com  
 Correspondent Name: MYERS BIGEL SIBLEY & SAJOVEC  
 Address Line 1: PO BOX 37428  
 Address Line 4: RALEIGH, NORTH CAROLINA 27627

ATTORNEY DOCKET NUMBER:	5649-2365IP
-------------------------	-------------

NAME OF SUBMITTER:	Candi L. Riggs
--------------------	----------------

Total Attachments: 5  
 source=Assignment#page 1.tif

CH \$40.00 12844621

**501266804**

**PATENT  
 REEL: 024859 FRAME: 0948**

source=Assignment#page2.tif  
source=Assignment#page3.tif  
source=Assignment#page4.tif  
source=Assignment#page5.tif

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Byung-Gil Jeon**, citizen of the Republic of Korea, residing at 324-1203, 1305, Daewoo Apt., Gwonseon-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Kang-Woon Lee**, citizen of the Republic of Korea, residing at 8-608, Hongeun 2-dong, Seodaemun-gu, Seoul, Republic of Korea; **Byung-Jun Min**, citizen of the Republic of Korea, residing at 805-1003, Byeokjeokgol 8-danji Doosan Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Han-Joo Lee**, citizen of the Republic of Korea, residing at 320-906, Sinbanpo Hanshin Apt., Jamwon-dong, Seocho-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **MULTI-CHIP SEMICONDUCTOR DEVICES HAVING NON-VOLATILE MEMORY DEVICES THEREIN**, for which an application for United States Letters Patent was filed on **July 27, 2010** and assigned U.S. Patent Application No. **12/844,621**, 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.



**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 5th day of AUGUST, 2010.

BYUNG-GIL JEON (SEAL)  
**Byung-Gil Jeon**

Witnessed by:

\_\_\_\_\_

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



Attorney Docket No. 5649-2365IP

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 19th day of August, 2010

Kang-Woon Lee (SEAL)  
Kang-Woon Lee

Witnessed by:

\_\_\_\_\_

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

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5th day  
of AUGUST, 20 10.

BYUNG - JUN MIN (SEAL)  
**Byung-Jun Min**

Witnessed by:

\_\_\_\_\_

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



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 16 day  
of 8, 2010.

Han-Joo Lee (SEAL)  
Han-Joo Lee

Witnessed by:

\_\_\_\_\_

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