

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jin-bum Kim</td> <td>01/08/2010</td> </tr> <tr> <td>Wook-je Kim</td> <td>01/08/2010</td> </tr> <tr> <td>Yu-gyun Shin</td> <td>01/08/2010</td> </tr> <tr> <td>Kwan-heum Lee</td> <td>01/08/2010</td> </tr> <tr> <td>Sun-ghil Lee</td> <td>01/08/2010</td> </tr> </tbody> </table>		Name	Execution Date	Jin-bum Kim	01/08/2010	Wook-je Kim	01/08/2010	Yu-gyun Shin	01/08/2010	Kwan-heum Lee	01/08/2010	Sun-ghil Lee	01/08/2010
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (919)854-1401</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-854-1400</p> <p>Email: criggs@myersbigel.com</p> <p>Correspondent Name: MYERS BIGEL SIBLEY &amp; SAJOVEC</p> <p>Address Line 1: PO BOX 37428</p> <p>Address Line 4: RALEIGH, NORTH CAROLINA 27627</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	5649-2677												
<b>NAME OF SUBMITTER:</b>	Candi L. Riggs												

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**PATENT**  
**REEL: 023841 FRAME: 0901**

Total Attachments: 6

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### ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jin-bum Kim**, citizen of the Republic of Korea, residing at 119-2305, Daewoo Prugio Apt., Bongcheon 3-dong, Gwanak-gu, Seoul, Republic of Korea; **Wook-je Kim**, citizen of the Republic of Korea, residing at 504-1102, Jugong Apt., Byeoryang-dong, Gwacheon-si, Gyeonggi-do, Republic of Korea; **Yu-gyun Shin**, citizen of the Republic of Korea, residing at Rm. 505, Eunhavilla, 1031-9, Bangbae 3-dong, Seocho-gu, Seoul, Republic of Korea; **Kwan-heum Lee**, citizen of the Republic of Korea, residing at 129-1103, Hwanggol Maeul 1-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Sun-ghil Lee**, citizen of the Republic of Korea, residing at 606-503, LG Village 6-cha Apt., Seongbok-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea;

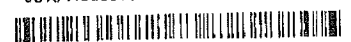
WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE HAVING STRESS CREATING LAYER** 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. 12/693,080, filed 1/25/10) 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

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ASSIGNMENT - CONTINUED

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, I have hereunto set my hand and seal on this 8 day of 1, 2010.

Jin-bum Kim (SEAL)  
Jin-bum Kim

Witnessed by:

\_\_\_\_\_

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



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day  
of 1, 2010.

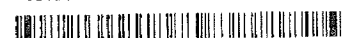
Wookje Kim (SEAL)  
Wook-je Kim

Witnessed by:

\_\_\_\_\_


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

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**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 9 day  
of 1, 2010.

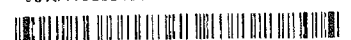
 (SEAL)  
**Yu-gyun Shin**

Witnessed by:

\_\_\_\_\_

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

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**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 8 day  
of 1, 2010.

Kwan heum lee (SEAL)  
Kwan-heum Lee

Witnessed by:

\_\_\_\_\_

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

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**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 8 day  
of 1, 2010.

*Sunghil Lee* (SEAL)  
**Sun-ghil Lee**

Witnessed by:

\_\_\_\_\_

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

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