

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<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>Dae-Hyuk Kang</td><td>04/29/2009</td></tr> <tr><td>Young-Hoo Kim</td><td>04/29/2009</td></tr> <tr><td>Chang Ki Hong</td><td>05/06/2009</td></tr> <tr><td>Kun Tack Lee</td><td>04/27/2009</td></tr> <tr><td>Jae-Dong Lee</td><td>04/29/2009</td></tr> <tr><td>Dae-Hong Eom</td><td>04/29/2009</td></tr> <tr><td>Jeong Nam Han</td><td>05/06/2009</td></tr> </tbody> </table>		Name	Execution Date	Dae-Hyuk Kang	04/29/2009	Young-Hoo Kim	04/29/2009	Chang Ki Hong	05/06/2009	Kun Tack Lee	04/27/2009	Jae-Dong Lee	04/29/2009	Dae-Hong Eom	04/29/2009	Jeong Nam Han	05/06/2009
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CORRESPONDENCE DATA																	
<p>Fax Number: (919)854-1400 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-854-1400 Email: kcarlos@myersbigel.com Correspondent Name: MBSS/Kirsten S. Carlos Address Line 1: PO BOX 37428 Address Line 4: RALEIGH, NORTH CAROLINA 27627</p>																	
ATTORNEY DOCKET NUMBER:	5649-2592																

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**PATENT
 REEL: 022654 FRAME: 0975**

NAME OF SUBMITTER:

Kirsten S. Carlos

Total Attachments: 8

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Attorney Docket No. 5649-2592

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Dae-Hyuk KANG**, citizen of the Republic of Korea, residing at 115-1202 Jugong Apt., Byeongjeom-dong, Hwasong-si, Gyeonggi-do, Korea; **Young-Hoo KIM**, citizen of the Republic of Korea, residing at 404-106 Sibeomdanji Hyundai Apt., Seohyeon-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea; **Chang-Ki HONG**, citizen of the Republic of Korea, residing at 1007-302 MujigaeMaeul Samsung Apt., Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea; **Kun-Tack LEE**, citizen of the Republic of Korea, residing at 1006-601 BangJukMaeul Yeongtong Tranchae Apt., Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea; **Jae-Dong LEE**, citizen of the Republic of Korea, residing at 502-1002 MujigaeMaeul Chonggu Apt., Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea; **Dae-Hong EOM**, citizen of the Republic of Korea, residing at 505-304 HanboraMaeul Humansia 5 Danji, Bora-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Korea; and **Jeong-Nam HAN**, citizen of the Republic of Korea residing at 301-1003 Samsung Raemian Apt. 3 Cha, Gongdeok-dong, Mapo-gu, Seoul, Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHOD OF FORMING A CONTACT STRUCTURE AND METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE USING 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.

12/437,390, filed 5/7/2009) 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,

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ASSIGNMENT - CONTINUED

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, I have hereunto set my hand and seal on this 29 day of April, 2009.

DAE-HYUK KANG (SEAL)
Dae-Hyuk KANG

Witnessed by:

Date: _____



PATENT

Attorney Docket No. 5649-2592

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 27 day
of April, 2009.

Yim Young Hoo (SEAL)
Young-Hoo KIM

Witnessed by:

Date: _____



Attorney Docket No. 5649-2592

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 06 day
of MAY, 2009.

Changki HONG

Chang-Ki HONG

(SEAL)

Witnessed by:

Date:

Attorney Docket No. 5649-2592

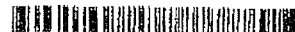
ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 27 day
of April, 2009.

Kun Tack Lee (SEAL)
Kun-Tack LEE

Witnessed by:

Date: _____



Attorney Docket No. 5649-2592

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29 day
of April, 2009.

Dae-Hong Eom (SEAL)
Dae-Hong EOM

Witnessed by:

Date: _____



Attorney Docket No. 5649-2592

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6 day
of May, 2009.

Jeong Nam Han (SEAL)
Jeong-Nam HAN

Witnessed by:

Date:

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PATENT**RECORDED: 05/07/2009**This document was generated by GFI FAXmaker fax server. For more information, visit: <http://www.gfi.com>**REEL: 022654 FRAME: 0984**