

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Doo Young Lee</td><td>08/17/2009</td></tr><tr><td>Sang Sup Jeong</td><td>08/17/2009</td></tr><tr><td>Sung Gil Choi</td><td>08/17/2009</td></tr><tr><td>Jong Chul Park</td><td>08/17/2009</td></tr><tr><td>Jin Young Kim</td><td>08/17/2009</td></tr><tr><td>Ki Jin Park</td><td>08/17/2009</td></tr></tbody></table>	Name	Execution Date	Doo Young Lee	08/17/2009	Sang Sup Jeong	08/17/2009	Sung Gil Choi	08/17/2009	Jong Chul Park	08/17/2009	Jin Young Kim	08/17/2009	Ki Jin Park	08/17/2009	
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Ki Jin Park	08/17/2009														
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															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12575682</td></tr></tbody></table>	Property Type	Number	Application Number:	12575682											
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CORRESPONDENCE DATA															
Fax Number:	(919)854-1401														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	919-854-1400														
Email:	criggs@myersbigel.com														
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC														
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ATTORNEY DOCKET NUMBER:	5649-2606														
NAME OF SUBMITTER:	Candi L. Riggs														

CH \$40.00 12575682

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PATENT
REEL: 023345 FRAME: 0001

Total Attachments: 7

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Doo-young Lee**, citizen of the Republic of Korea, residing at 102-1102, Kumho Apt., Garak-dong, Songpa-gu, Seoul, Republic of Korea; **Sang-sup Jeong**, citizen of the Republic of Korea, residing at 108-603, World Meridian Apt., Uman-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Sung-gil Choi**, citizen of the Republic of Korea; residing at 615-501, Sinjeong Maeul Sangrok Apt., Pungdeokcheon-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea; **Jong-chul Park**, citizen of the Republic of Korea, residing at 410-1603, Cheongmyeong Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Jin-young Kim**, citizen of the Republic of Korea, residing at 209-804, Sambu Renaissance Apt., Bansong-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; and **Ki-jiin Park**, citizen of the Republic of Korea, residing at 81-226, Ssangmun-dong, Dobong-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FORMING INTEGRATED CIRCUIT DEVICES USING CONTACT HOLE SPACERS TO IMPROVE CONTACT ISOLATION** 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. 12/575,682, filed 10/8/09) 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



ASSIGNMENT - CONTINUED


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 17 day of August, 2009.



Doo-young Lee (SEAL)

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17 day
of August, 2007.

Sang-sup Jeong (SEAL)
Sang-sup Jeong

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17th day
of August, 2008.

Sung gil Choi (SEAL)
Sung-gil Choi

Witnessed by:

Date: _____



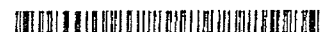
ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17 day
of August, 2002.

Jong chul Park (SEAL)
Jong-chul Park


Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17 day
of August, 2009.

 (SEAL)
Jin-young Kim

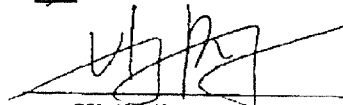
Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17 day
of August, 2009.



Ki-jin Park (SEAL)

Witnessed by:

Date: _____

