

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>Yong-Hee Choi</td><td>01/15/2008</td></tr><tr><td>Young-Kyu Cho</td><td>01/15/2008</td></tr><tr><td>Sung-II Cho</td><td>01/15/2008</td></tr><tr><td>Seok-Hyun Lim</td><td>01/15/2008</td></tr></tbody></table>	Name	Execution Date	Yong-Hee Choi	01/15/2008	Young-Kyu Cho	01/15/2008	Sung-II Cho	01/15/2008	Seok-Hyun Lim	01/15/2008	
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Sung-II Cho	01/15/2008										
Seok-Hyun Lim	01/15/2008										
RECEIVING PARTY DATA											
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Street Address:	416 Maetan-dong										
Internal Address:	Yeongtong-gu, Suwon-si										
City:	Gyeonggi-do										
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF										
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>12021929</td></tr></tbody></table>	Property Type	Number	Application Number:	12021929							
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Application Number:	12021929										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Betty-Lou Rosser										
Total Attachments: 3 source=56492340Assn#page1.tif											

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Yong-Hee Choi**, a citizen of the Republic of Korea, residing at 806-1301, Manhyeon Macul Doosan Apt., Sanghyeon-dong, Suji-eup, Yongin-si, Gyeonggi-do, Republic of Korea; **Young-Kyu Cho**, residing at 113-202, Parktown Seoan Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; **Sung-II Cho**, a citizen of the Republic of Korea, residing at 302-2601, e-Pyeonhan Sesang Daelim 2cha Apt., Sindorim-dong, Guro-gu, Seoul, Republic of Korea; and **Seok-Hyun Lim**, a citizen of the Republic of Korea, residing at 309-703, Raemian Sangdo 3cha Apt., 431 (10/6), Sangdo-dong, Dongjak-gu, Seoul, Republic of Korea

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FABRICATING INTEGRATED CIRCUIT DEVICES INCLUDING CAPACITORS HAVING HIGH-ASPECT RATIO SUPPORT PATTERNS AND RELATED DEVICES**, 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. 12/021,929, filed January 29, 2008) 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 Mactan-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 or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, 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.

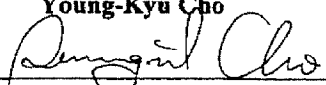
We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of 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; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 15 day of Jan, 2008.



Yong-Hee Choi (SEAL)

Young-Kyu Cho (SEAL)



Sung-Il Cho (SEAL)



Seok-Hyun Lim (SEAL)

Witnessed by:

Date: _____

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 promptly 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; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 15 day of Jan, 2008.

Yong-Hee Choi (SEAL)

Young-Kyu Cho (SEAL)

Sung-II Cho (SEAL)

Seok-Hyun Lim (SEAL)

Witnessed by:

Date: _____