

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>In-Sun Yi</td> <td>03/18/2010</td> </tr> <tr> <td>Ki-Hyun Hwang</td> <td>03/18/2010</td> </tr> <tr> <td>Jin-Tae Noh</td> <td>03/18/2010</td> </tr> <tr> <td>Jae-Young Ahn</td> <td>03/18/2010</td> </tr> <tr> <td>Si-Young Choi</td> <td>03/18/2010</td> </tr> </tbody> </table>		Name	Execution Date	In-Sun Yi	03/18/2010	Ki-Hyun Hwang	03/18/2010	Jin-Tae Noh	03/18/2010	Jae-Young Ahn	03/18/2010	Si-Young Choi	03/18/2010
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CORRESPONDENCE DATA													
<p>Fax Number: (919)854-1401 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-854-1400 Email: brosser@myersbigel.com Correspondent Name: MYERS BIGEL SIBLEY & SAJOVEC Address Line 1: PO BOX 37428 Address Line 4: RALEIGH, NORTH CAROLINA 27627</p>													
ATTORNEY DOCKET NUMBER:	5649-2921												
NAME OF SUBMITTER:	Betty-Lou Rosser												

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REEL: 024129 FRAME: 0917

Total Attachments: 2

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ASSIGNMENT

THIS ASSIGNMENT, made by us, In-Sun Yi, a citizen of the Republic of Korea, residing at #805 Daewoo Myhome Officetell, 1131-1, Ingye-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; Ki-Hyun Hwang, a citizen of the Republic of Korea, residing at #202-604 Hansolmaeul LG Apt., Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; Jin-Tae Noh, a citizen of the Republic of Korea, residing at #155-1501 Hwanggol Maeul Jugong Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; Jae-Young Ahn, a citizen of the Republic of Korea, residing at #507-403 Hyojachon Samhwan Apt., Seohyeon-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; and Si-Young Choi, a citizen of the Republic of Korea, residing at #137-204 Parktown Lotte Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; and

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **Methods of Fabricating Silicon Oxide Layers Using Inorganic Silicon Precursors and Methods of Fabricating Semiconductor Devices Including 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. _____, filed _____) 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 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 18th day of March, 2010.

In-Sun Yi (SEAL)
In-Sun Yi

Ki-Hyun Hwang (SEAL)
Ki-Hyun Hwang

Jin-Tae Noh (SEAL)
Jin-Tae Noh

Jae-Young Ahn (SEAL)
Jae-Young Ahn

Si-Young Choi (SEAL)
Si-Young Choi

Witnessed by:

Date: _____