

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Won-Goo Hur</td> <td>02/01/2010</td> </tr> <tr> <td>Kyu-Tae Na</td> <td>02/01/2010</td> </tr> <tr> <td>Min Kim</td> <td>02/01/2010</td> </tr> <tr> <td>Hyun-Young Kim</td> <td>02/01/2010</td> </tr> <tr> <td>Je-Hyeon Park</td> <td>02/01/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Won-Goo Hur | 02/01/2010 | Kyu-Tae Na | 02/01/2010 | Min Kim | 02/01/2010 | Hyun-Young Kim | 02/01/2010 | Je-Hyeon Park | 02/01/2010 |
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| Won-Goo Hur | 02/01/2010 | | | | | | | | | | | | |
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| Hyun-Young Kim | 02/01/2010 | | | | | | | | | | | | |
| Je-Hyeon Park | 02/01/2010 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| Name: | Samsung Electronics Co., Ltd. | | | | | | | | | | | | |
| Street Address: | 416 Maetan-dong, Yeongtong-gu | | | | | | | | | | | | |
| Internal Address: | 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>12704873</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12704873 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12704873 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| Fax Number: | (919)854-1401 | | | | | | | | | | | | |
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| Phone: | 919-854-1400 | | | | | | | | | | | | |
| Email: | brosser@myersbigel.com | | | | | | | | | | | | |
| Correspondent Name: | MYERS BIGEL SIBLEY & SAJOVEC | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 5649-2852 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Betty-Lou Rosser | | | | | | | | | | | | |

CH \$40.00 12704873

Total Attachments: 2

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Won-Goo Hur**, a citizen of the Republic of Korea, residing at 207-607, Hyundai 2-cha Apt., Sangok 3-dong, Bupyeong-gu, Incheon, Republic of Korea; **Kyu-Tae Na**, a citizen of the Republic of Korea, residing at 2-603, Bando Apt., Ichon 1-dong, Yongsan-gu, Seoul, Republic of Korea; **Min Kim**, a citizen of the Republic of Korea, residing at 102-1802, Lake Palace Apt., 44, Jamsil-dong, Songpa-gu, Seoul, Republic of Korea; **Hyun-Young Kim**, a citizen of the Republic of Korea, residing at 1102-1506, Jinangol-Maeul Jugong 11-danji Apt., Jinan-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; and **Je-Hyeon Park**, a citizen of the Republic of Korea, residing at Suite 303, 16-5, Gokbanjeong-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea ;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FORMING A METAL SILICIDE LAYER FOR SEMICONDUCTOR 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. 12/704,873 , filed February 12, 2010) 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.


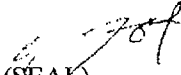


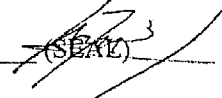


We hereby request that said Letters Patent be issued in accordance with this assignment.

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 1st day of February, 2010.

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|---|--|
| <u>Won-Goo Hur</u> Won-Goo Hur | <u></u> (SEAL) |
| <u>Kyu-Tae Na</u> Kyu-Tae Na | <u></u> (SEAL) |
| <u>Min Kim</u> Min Kim | <u></u> (SEAL) |
| <u>Hyun-Young Kim</u> Hyun-Young Kim | <u></u> (SEAL) |
| <u>Je-Hyeon Park</u> Je-Hyeon Park | <u></u> (SEAL) |

Witnessed by:

Date: _____

