

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dong-Hwa KWAK</td> <td>01/05/2007</td> </tr> <tr> <td>Jae-Kwan PARK</td> <td>01/05/2007</td> </tr> <tr> <td>Jae-Hwang SIM</td> <td>01/05/2007</td> </tr> <tr> <td>Jin-Ho KIM</td> <td>01/05/2007</td> </tr> <tr> <td>Ki-Nam KIM</td> <td>01/05/2007</td> </tr> </tbody> </table>		Name	Execution Date	Dong-Hwa KWAK	01/05/2007	Jae-Kwan PARK	01/05/2007	Jae-Hwang SIM	01/05/2007	Jin-Ho KIM	01/05/2007	Ki-Nam KIM	01/05/2007
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RECEIVING PARTY DATA													
Name:	Samsung Electronics Co., Ltd.												
Street Address:	416 Maetan-Dong, Yeongtong-Gu, Suwon-Si												
City:	Gyeonggi-do												
State/Country:	KOREA, REPUBLIC OF												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11623269</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11623269								
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Application Number:	11623269												
CORRESPONDENCE DATA													
Fax Number:	(503)274-4622												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	4591-562												
NAME OF SUBMITTER:	Hosoon Lee												
Total Attachments: 2 source=Assignment#page1.tif													

OP \$40.00 11623269

PATENT APPLICATION
Docket No.: 4591-562
Client Ref. No.: IE16443-US

ASSIGNMENT

U.S.A. Patent Application
Sole or Joint
For Inventions Made Outside U.S.A.
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

- (1) Dong-Hwa KWAK
- (2) Jae-Kwan PARK
- (3) Jae-Hwang SIM
- (4) Jin-Elo KIM
- (5) Ki-Nam KIM

X if continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

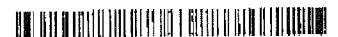
SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, YEONGTONG-GU
SUWON-SI, GYEONGGI-DO
REPUBLIC OF KOREA

(hereinafter designated "ASSIGNEE") the entire right, title and interest in and to the invention as defined in 35 USC §100, for the United States of America, the invention entitled:

SEMICONDUCTOR DEVICE AND METHOD FOR FORMING THE SAME

for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.



Please sign
concurrently
with Oath or Declaration
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Dong-Hwa Kwak</u> Dong-Hwa KWAK	<u>2007/01/05</u>	_____
(2) <u>Jae-Kwan Park</u> Jae-Kwan PARK	<u>2007/01/05</u>	_____
(3) <u>Jae-Hwang Sim</u> Jae-Hwang SIM	<u>2007/01/05</u>	_____
(4) <u>Jin-Ho Kim</u> Jin-Ho KIM	<u>2007/01/05</u>	_____
(5) <u>Ki-Nam Kim</u> Ki-Nam KIM	<u>2007/01/05</u>	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

Alan T. McCollom
Marger Johnson & McCollom
210 S.W. Morrison Street, Suite 400
Portland, OR 97204

