

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>Kwang Soo Kim</td> <td>10/20/2012</td> </tr> <tr> <td>Bum Seok Suh</td> <td>10/20/2012</td> </tr> <tr> <td>In Hyuk Song</td> <td>10/19/2012</td> </tr> <tr> <td>Jae Hoon Park</td> <td>10/19/2012</td> </tr> <tr> <td>Dong Soo Seo</td> <td>10/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kwang Soo Kim	10/20/2012	Bum Seok Suh	10/20/2012	In Hyuk Song	10/19/2012	Jae Hoon Park	10/19/2012	Dong Soo Seo	10/19/2012
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RECEIVING PARTY DATA													
Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.												
Street Address:	314, Maetan 3-dong, Yeongtong-gu, Suwon,												
City:	Gyeonggi-do												
State/Country:	KOREA, REPUBLIC OF												
Postal Code:	443-743												
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>13761127</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13761127								
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CORRESPONDENCE DATA													
Fax Number:	3239340202												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Correspondent Name:	Ladas & Parry LLP												
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ATTORNEY DOCKET NUMBER:	B-7786 628276-5												
NAME OF SUBMITTER:	Joseph M. Kobzeff												
Total Attachments: 4 source=628276-5 Assignment#page1.tif source=628276-5 Assignment#page2.tif source=628276-5 Assignment#page3.tif source=628276-5 Assignment#page4.tif													

OP \$40.00 13761127

Attorney's Docket No. B-7786 628276-5

Patent

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
For: PCT Application
By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:
(inventor(s) or person(s) or
entity(ies) who own the invention)

- (1) KIM, Kwang Soo
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(Nationality)

- (4) PARK, Jae Hoon
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(Assignment of Invention [16-3]--page 1 of 4)

(5) SEO, Dong Soo
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(Address)
Korea
(Nationality)

hereby confirm that ASSIGNORS sell, assign and transfer to

ASSIGNEE: SAMSUNG ELECTRO-MECHANICS CO., LTD.
(type or print name(s) of ASSIGNEE(S))
314, Maetan 3-dong, Yeongtong-gu,
Suwon, Gyunggi-do 443-743, Korea
(Address)
Korea
(Nationality)

and the successors, assigns and legal representatives of the ASSIGNEE
(complete one of the following)

the entire right, title and interest

an undivided _____ percent (_____ %) interest for the
United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim

priority, in and to any and all improvements which are disclosed in the invention

entitled: **SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING
SEMICONDUCTOR DEVICE**

(check and complete (a), (b), (c) or (d)) and which is found in

(a) U.S. patent application executed on even date herewith

(b) U.S. patent application executed on _____

To comply with 37 CFR 3.21 for recordal of this assignment, I, an
ASSIGNOR signing below, hereby authorize and request my attorney, as named

(Assignment of Invention [16-3]--page 2 of 4)

in the Declaration and Power of Attorney I executed for this invention on the execution date stated above, to insert below the filing date and application number when it becomes known.

(c) U.S. Application serial no. _____ filed on _____

(d) International application no.

(e) U.S. Patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (F) if foreign application(s) is also being assigned)

(f) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof

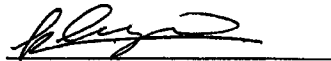
ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
20th day of October, 2012 (*date of signing*).

KIM, Kwang Soo

Name of Assignor(s)



Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
20th day of October, 2012 (date of signing).

SUH, Bum Seok

Name of Assignor(s)

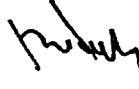


Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
19th day of October, 2012 (date of signing).

SONG, In Hyuk

Name of Assignor(s)

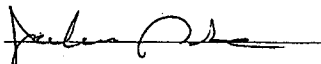


Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
19th day of October, 2012 (date of signing).

PARK, Jae Hoon

Name of Assignor(s)



Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
19th day of October, 2012 (date of signing).

SEO, Dong Soo

Name of Assignor(s)



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(Assignment of Invention [16-3]--page 4 of 4)