

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Min Sung Kim</td> <td>08/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Min Sung Kim	08/14/2012
Name	Execution Date				
Min Sung Kim	08/14/2012				
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>13605762</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13605762
Property Type	Number				
Application Number:	13605762				
CORRESPONDENCE DATA					
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ATTORNEY DOCKET NUMBER:	B-7561 627771-0				
NAME OF SUBMITTER:	Joseph M. Kobzeff				
Total Attachments: 2 source=627771_assignment#page1.tif source=627771_assignment#page2.tif					

OP \$40.00 13605762

Attorney's Docket No. B-7561 627771-0 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,

ASSIGNOR: (1) KIM, Min Sung
(inventor(s) or person(s) or entity(ies) who own the invention) (type or print name(s) of ASSIGNOR(S))
c/o Samsung Electro-Mechanics Co., Ltd.,
314, Maetan 3-dong, Yeongtong-gu,
Suwon, Gyunggi-do 443-743, Korea
(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 :

PRINTED CIRCUIT BOARD AND METHOD FOR MANUFACTURING
THE SAME

(Assignment of Invention [16-3]--page 1 of 2)

PATENT
REEL: 028910 FRAME: 0944

(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 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

14th day of August, 2012 (date of signing).

KIM, Min Sung

Name of Assignor(s)


Signature of ASSIGNOR(S)

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