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U.S. DEPARTMENT OF COMMERCE

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To the Director of the U.S. Patent and



document.

103584760

1. Name of conveying parties:

- 1.) Han KIM
- 2.) Mi-Ja HAN
- 3.) Dae-Hyun PARK

2. Name and Address of receiving party:

SAMSUNG ELECTRO-MECHANICS CO., LTD.
314, Maetan3-dong, Yeongtong-Gu, Suwon,
Gyeonggi-Do, Korea 443-743

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date(s): November 18, 2009

4. Application number(s) or patent number(s):

- ☒ This document is being filed together with a new application.
OR
☐ This document is being filed after filing of the application:
(a) Patent Application No(s). , filed ; or
(b) Patent No(s). , issued .

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP Our Docket: 1937.1333
Attention: David M. Pitcher
1201 New York Ave., N.W., Suite 700
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

- ☒ Enclosed
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

David M. Pitcher, Reg. No. 25,908
Name of Person Signing

Signature

December 16, 2009
Date

Total number of pages including cover sheet: 2

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PATENT
REEL: 023710 FRAME: 0150

U.S. ASSIGNMENT

Docket No.

5&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRO-MECHANICS CO., LTD.
314, Maetan3-Dong, Yeongtong-Gu, Suwon,
Gyunggi-Do, KOREA 443-743

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

printed circuit board having electromagnetic bandgap structure

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

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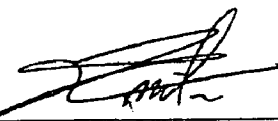
The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

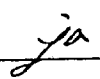
IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)  November 18, 2009
Han KIM

2)  November 18, 2009
Mi-Ja HAN

3)  November 18, 2009
Dae-Hyun PARK

☐ Additional inventors are being named on separately numbered sheets attached hereto.

PATENT

RECORDED: 12/16/2009

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