

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2667718

| 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>SUNG HAN</td> <td>10/08/2013</td> </tr> <tr> <td>YOUNG DO KWEON</td> <td>11/15/2013</td> </tr> <tr> <td>SEUNG MIN BAEK</td> <td>11/15/2013</td> </tr> <tr> <td>YOON SU KIM</td> <td>11/15/2013</td> </tr> <tr> <td>YOUNG JAE LEE</td> <td>11/19/2013</td> </tr> </tbody> </table> | | Name | Execution Date | SUNG HAN | 10/08/2013 | YOUNG DO KWEON | 11/15/2013 | SEUNG MIN BAEK | 11/15/2013 | YOON SU KIM | 11/15/2013 | YOUNG JAE LEE | 11/19/2013 |
| Name | Execution Date | | | | | | | | | | | | |
| SUNG HAN | 10/08/2013 | | | | | | | | | | | | |
| YOUNG DO KWEON | 11/15/2013 | | | | | | | | | | | | |
| SEUNG MIN BAEK | 11/15/2013 | | | | | | | | | | | | |
| YOON SU KIM | 11/15/2013 | | | | | | | | | | | | |
| YOUNG JAE LEE | 11/19/2013 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRO-MECHANICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>314, MAETAN 3-DONG, YEONGTONG-GU, SUWON,</td> </tr> <tr> <td>City:</td> <td>GYUNGGI-DO</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-743</td> </tr> </table> | | Name: | SAMSUNG ELECTRO-MECHANICS CO., LTD. | Street Address: | 314, MAETAN 3-DONG, YEONGTONG-GU, SUWON, | City: | GYUNGGI-DO | State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF | Postal Code: | 443-743 | | |
| Name: | SAMSUNG ELECTRO-MECHANICS CO., LTD. | | | | | | | | | | | | |
| Street Address: | 314, MAETAN 3-DONG, YEONGTONG-GU, SUWON, | | | | | | | | | | | | |
| City: | GYUNGGI-DO | | | | | | | | | | | | |
| State/Country: | KOREA, DEMOCRATIC PEOPLE'S 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>14140803</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14140803 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 14140803 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (323)934-0202</p> <p>Email: LA_MAIL@LA.LADAS.COM</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: LADAS & PARRY LLP</p> <p>Address Line 1: 5670 WILSHIRE BLVD.</p> <p>Address Line 2: SUITE 2100</p> <p>Address Line 4: LOS ANGELES, CALIFORNIA 90036</p> | | | | | | | | | | | | | |
| NAME OF SUBMITTER: | DIANA J. PISANI | | | | | | | | | | | | |
| Signature: | /Diana J. Pisani 71664/ | | | | | | | | | | | | |

Date:

01/06/2014

Total Attachments: 4

source=629121_Assignment#page1.tif

source=629121_Assignment#page2.tif

source=629121_Assignment#page3.tif

source=629121_Assignment#page4.tif

Attorney's Docket No. B-8192 629121-9 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) HAN, Sung
(type or print name(s) of ASSIGNOR(S))

c/o Samsung Electro-Mechanics Co., Ltd.,
314, Maetan 3-dong, Yeongtong-gu,
Suwon, Gyeonggi-do 443-743, Korea
(Address)
Korea
(Nationality)
- (2) KWEON, Young Do
(type or print name(s) of ASSIGNOR(S))

c/o Samsung Electro-Mechanics Co., Ltd.,
314, Maetan 3-dong, Yeongtong-gu,
Suwon, Gyeonggi-do 443-743, Korea
(Address)
U.S.A
(Nationality)
- (3) BAEK, Seung Min
(type or print name(s) of ASSIGNOR(S))

c/o Samsung Electro-Mechanics Co., Ltd.,
314, Maetan 3-dong, Yeongtong-gu,
Suwon, Gyeonggi-do 443-743, Korea
(Address)
Korea
(Nationality)
- (4) KIM, Yoon Su
(type or print name(s) of ASSIGNOR(S))

c/o Samsung Electro-Mechanics Co., Ltd.,
314, Maetan 3-dong, Yeongtong-gu,
Suwon, Gyeonggi-do 443-743, Korea
(Address)
Korea
(Nationality)

(Assignment of Invention [16-3]--page 1 of 4)

(5) LEE, Young Jae
(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)

☒ [X] 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 of
Manufacturing The Same

(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 _____

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

[X] 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. 14/140,803 filed on December 26, 2013
(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
5th day of Oct, 2013 (date of signing).

HAN, Sung

Name of Assignor(s)


Signature of ASSIGNOR(S)

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

PATENT

REEL: 031872 FRAME: 0607

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
15th day of Nov, 2013 (date of signing).

KWEON, Young Do

Name of Assignor(s)

Young Do Kweon
Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
15th day of Nov, 2013 (date of signing).

BAEK, Seung Min

Name of Assignor(s)

Seung Min Bae
Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
15th day of Nov, 2013 (date of signing).

KIM, Yoon Su

Name of Assignor(s)

Yoon Su Kim
Signature of ASSIGNOR(S)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this
19th day of Nov, 2013 (date of signing).

LEE, Young Jae

Name of Assignor(s)

Young Jae Lee
Signature of ASSIGNOR(S)

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