

01-05-2007

FORM PTO-1595



SHEET

U.S. DEPARTMENT OF COMMERCE

©2005 Staas &amp; Halsey LLP

103356938

To the Director of the U.S. Patent and Trademark Office: Please record the attached document.

113013 U.S. PTO  
11/645710

122706

1. Name of conveying party(ies):

(1) Keun-Ho KIM (4) Il-Kyoon JEON  
(2) Dek-Gin YANG (5) Eung-Suek LEE  
(3) Jong-Guk KIM

2. Name and Address of receiving party(ies):

**SAMSUNG ELECTRO-MECHANICS CO., LTD.**  
314 Maetan3-dong,  
Yeongtong-gu, Suwon-si  
Gyeonggi-do 443-743, Republic of Korea

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date(s): (1), (2), December 18, 2006, (3), (4), December 15, 2006 and (5),December 18, 2006

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 &amp; HALSEY LLP

Our Docket: 1937.1055Attention: 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)

12/28/2006 HLE333 00000098 11645710

04 FC:8021

(40.00 DP)

David M. Pitcher, Reg. No. 25,908

Name of Person Signing

Signature

December 27, 2006

Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

PATENT

REEL: 018744 FRAME: 0925

12.27.06

# U.S. ASSIGNMENT

Docket No. \_\_\_\_\_

SALE 1100

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-si  
Gyeonggi-do 443-743, Republic of Korea

(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 AND MANUFACTURING METHOD THEREOF

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.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

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) <u>Keun-Ho KIM</u>	<u>Dec. 18, 2006</u>	
2) <u>Dek-Gin YANG</u>	<u>Dec 18, 2006</u>	
3) <u>Jong-Guk KIM</u>	<u>Dec. 18, 2006</u>	
4) <u>Il-Kyoon JEON</u>	<u>Dec. 18, 2006</u>	
5) <u>Eung-Suek LEE</u>	<u>Dec. 18, 2006</u>	

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

PATENT

RECORDED: 12/27/2006

REEL: 018744 FRAME: 0926