

12-23-1998



FORM PTO-1596  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: 2336-034

100928791

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

10526 U.S. PTO  
09/20348

12/02/98

86-2-2-98  
MCR

1. Name of conveying party(ies):  
Keon Yang PARK  
Byung Kook SUN  
Jae Heun JOUNG  
Dong SHIN

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: November 23, 1998

2. Name and address of receiving party(ies):  
Name: SAMSUNG ELECTRO-MECHANICS CO., LTD.

Internal Address: \_\_\_\_\_

Street Address: 314 Maetan-dong, Paldal-ka, Suwon-si, Kyungki-do, Republic of Korea

City \_\_\_\_\_ State/Country: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
If the document is being filed together with a new application, the execution date of the application is: November 23, 1998

A. Patent Application No(s). \_\_\_\_\_ B. Patent No(s). \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER  
Internal Address: \_\_\_\_\_  
Street Address: 2034 Eisenhower Avenue, Suite 200  
City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
07-1357

12/10/1998  
04 FC:581

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document*

Benjamin J. Hauptman, Reg. No. 29,310 \_\_\_\_\_ December 2, 1998 \_\_\_\_\_  
Name and Registration No. of Person Signing Signature Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

PATENT  
REEL: 9651 FRAME: 0917

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Keon Yang Park (4) Dong Shin
- (2) Byung Kook Sun (5) \_\_\_\_\_
- (3) Jae Heun Joung (6) \_\_\_\_\_

who has made a certain new and useful invention, hereby sell, assign and transfer unto

SAMSUNG ELECTRO-MECHANICS CO., LTD  
314 Maetan-dong, Paldal-ku, Suwon-si  
Kyungki-do, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled METHOD FOR MANUFACTURING MULTI-LAYER PRINTED CIRCUIT BOARD

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United

States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTOR(S)

DATE SIGNED

1) Keon Yang Park  
Name: Keon Yang PARK

Nov. 23, 1998

2) Byung Kook Sun  
Name: Byung Kook SUN

Nov. 23, 1998

3) Jae Heun Jung  
Name: Jae Heun JOUNG

Nov. 23, 1998

4) Dong Shin  
Name: Dong SHIN

Nov. 23, 1998