

PATENT APPLICATION  
Docket No. 9898-346  
Client Ref. No. SS-19552-US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of party(ies) conveying an interest: Yi-Sung Hwang, Ho-Tae Jin, and Ilwan-Young Jang
2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.  
416 Maetan-dong, Yeongtong-gu, Suwon-City  
Kyungki-do, Republic of Korea

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document: July 7, 2004

4. Application number(s) or patent number(s). Additional sheet attached? Yes \_\_\_ No X

If this document is being filed together with a new application, the execution date of the application is:

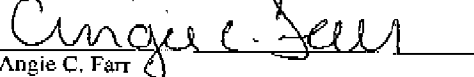
A. Patent Application No. 10/893,615

Filing Date: July 16, 2004

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

MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205  
Telephone: (503) 222-3613


I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office via facsimile number 703-306-5995, on September 21, 2004.

  
Angie C. Farr

6. Number of applications and patents involved: 1
7. PTO Form 2038 authorizing credit card payment (\$40) is enclosed.
8. Copy of Hosoon Lee's Limited Recognition Under 37 CFR § 10.9(b)
9. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
10. 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.

Dated: September 21, 2004

Respectfully submitted,  
MARGER JOHNSON & McCOLLOM, P.C.

  
Hosoon Lee  
Limited Recognition Under 37 CFR § 10.9(b)

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
(503) 222-3613

Total number of pages comprising  
cover sheet and attached assignment: **PATENT**

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TO:503 973 1987

P.007/008

PATENT APPLICATION  
Docket No. 9898-246  
Client Ref. No. SS-19552-US

**ASSIGNMENT**

U.S.A. Patent Application  
Sole or Joint  
For Inventions Made Outside U.S.A.  
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

- (1) Yi-Sung Hwang
- (2) Ho-tae Jin
- (3) Hwan-young Jang

☐ X if continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

**SAMSUNG ELECTRONICS CO., LTD.**  
**416 MAETAN-DONG, YEONGTONG-GU**  
**SUWON-SI, GYEONGGI-DO**  
**REPUBLIC OF KOREA**

(hereinafter designated "ASSIGNEE") the entire right, title and interest in and to the invention as defined in 35 USC §100, for the United States of America, the invention entitled:

**THIN PRINTED CIRCUIT BOARD FOR MANUFACTURING CHIP SCALE  
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for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof, and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.




2004-JUL-14 18:26 FROM:Y.P.LEE MOCK&amp;PATNERS 82 2 588 8586

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P.008/008

Please sign  
concurrently  
with Oath or Declaration  
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

| INVENTOR(S)   | DATE SIGNED       | WITNESSED |
|---|-------------------|-----------|
| (1) <u></u><br>Yi-Sung Hwang     | <u>2004.07.14</u> | _____     |
| (2) <u></u><br>Ho-Tac Jia        | <u>2004.07.14</u> | _____     |
| (3) <u></u><br>Hwan-young Jang | <u>2004.7.14</u>  | _____     |

PLEASE RETURN RECORDED ASSIGNMENT TO:

Alan T. McCollom  
Marger Johnson & McCollom  
1030 S.W. Morrison Street  
Portland, OR 97205

**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Hosoon Lee is hereby given limited recognition under 37 CFR § 10.9(b), as an employee of the law firm of Marger Johnson & McCollom, PC, to prepare and prosecute patent applications wherein the patent applicant is a client of the law firm of Marger Johnson & McCollom, PC, and a registered practitioner, who is a member of the law firm of Marger Johnson & McCollom, PC, is the practitioner of record in the application. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Hosoon Lee ceases to lawfully reside in the United States, (ii) Hosoon Lee's employment with the law firm of Marger Johnson & McCollom, PC, ceases or is terminated, or (iii) Hosoon Lee ceases to remain or reside in the United States, authorized to be employed by an Employment Authorization Card issued pursuant to 8 CFR § 274a.12(c)(9).

This document constitutes proof of such limited recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: July 16, 2005**

  
Harry I. Moatz  
Director of Enrollment and Discipline