

PATENT APPLICATION  
Docket No.: 4591-481  
Client Ref. No.: IE14107-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Assignment Recordation Services  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

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: Hyun-Ho KIM, Heung-Jin JOO and Ki-Nam KIM
- 2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.  
416 Maetan-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

3. Description of the interest conveyed:

Assignment  Change of Name  Security Agreement  Merger

Date of execution of attached document: July 8, 2005 and July 11, 2005

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

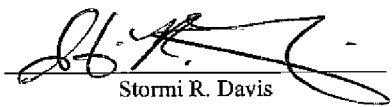
If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. 11/180,954, filed on 12 Jul 2005

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

MARGER JOHNSON & McCOLLOM, P.C.  
210 S.W. Morrison Street, Suite 400  
Portland, Oregon 97204  
Telephone: (503) 222-3613

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office via facsimile number (571) 273-0140 on October 19, 2005.



Stormi R. Davis

6. Number of applications and patents involved: 1

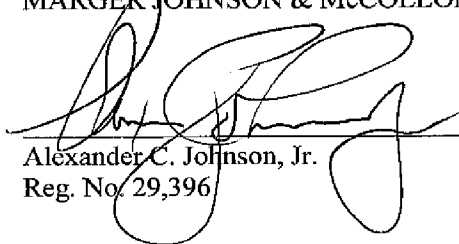
7. PTO Form 2038 authorizing credit card payment (\$40) is enclosed.

8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

9. 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: October 19, 2005

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



Alexander C. Johnson, Jr.  
Reg. No. 29,396

MARGER JOHNSON & McCOLLOM, P.C.  
210 SW Morrison Street, Suite 400  
Portland, OR 97204  
(503) 222-3613

Total number of pages comprising  
cover sheet and attached assignment: 4

OP \$40.00 11180954

2005-JUL-11 17:03 FROM:KORYO INT'L PATENT&amp;L 82234540448

TO:5032744622

P.006/008

07-11 13:26 MON FROM:SASUNG  
08/23/08 10:51 FAX 5032744622

0312093274\*

TO:71169071606002345404 PAGE:04

MARGER JOHNSON

+ KORTO

008

**PATENT APPLICATION**  
**Docket No.: 4591-481**  
**Client Ref. No.: IE14107-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) Hyun-Ho KIM
- (2) Heung-Jin JOO
- (3) Ki-Nam KIM

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:

**SEMICONDUCTOR DEVICES HAVING A METAL-INSULATOR-METAL  
 CAPACITOR AND METHODS OF FORMING THE SAME**

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.

08/07/2005 09:23 01240/60339

NANOSCIENCE

PAGE 03/06

08/23/05 10:51 FAX 5032744622

MARGER JOHNSON

+ KORYO

004

Please sign  
concurrently  
with Oath or Declaration  
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Hyunho Kim</u> Hyun-Ho KIM	<u>8/July/2005</u>	_____
(2) _____ Heung-Jin JOO	_____	_____
(3) _____ K3-Nam KIM	_____	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

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

07-11 13:27 MON FROM:SASUNG  
06/23/05 10:01 FAX 5032744622

0312093274\*  
MARGER JOHNSON

TO:TEL:5967188602345404 PAGE:05  
KORYO 004

Please sign  
**CONSENTENTLY**  
with Oath or Declaration  
and Power of Attorney

**SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:**

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Hyun-Ho KIM</u>	_____	_____
(2) <u>Heung-Jin Joo</u> <u>Heung-Jin JOO</u>	<u>2005/07/11</u>	_____
(3) <u>Min-Kim</u> <u>MI-NAM KIM</u>	<u>2005/07/11</u>	_____

**PLEASE RETURN RECORDED ASSIGNMENT TO:**

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