

PATENT APPLICATION
Docket No. 8750-065
Client No. SPX200305-0016US

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(ics) conveying an interest: Young-Ki HA, Jang-Eun LEE, Hyun-Jo KIM, Se-Chung OH, Jun-Soo BAE and In-Gyu BAEK
- 2. Name and address of party(ics) 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 30, 2004

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

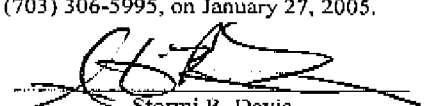
If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. 10/915,872, filed on 10 Aug 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 January 27, 2005.

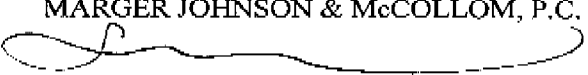


Stormi R. Davis

- 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. A copy of the Limited Recognition Under 37 CFR § 10.9(b)
- 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: January 27, 2005

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: 3

OP \$40.00 10915872

PATENT APPLICATION
Docket No. 8750-065
Client No. SPX200305-0016US

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) **Young-Ki Ha**
- (2) **Jang-Eun Lee**
- (3) **Hyun-Jo Kim**
- (4) **Se-Chung Oh**
- (5) **Jun-Soo Bae**
- (6) **In-Gyu Baek**

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-CITY, KYUNGKI-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:

MAGNETIC TUNNEL JUNCTION STRUCTURE HAVING AN OXIDIZED BUFFER LAYER AND METHOD OF FABRICATING THE SAME

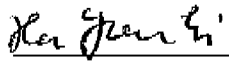
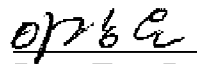

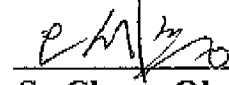
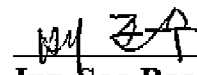
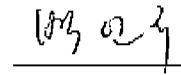
for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the 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.

PATENT
REEL: 015628 FRAME: 0108

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></u> Young-Ki Ha	<u>07.30.2004</u>	_____
(2) <u></u> Jang-Eun Lec	<u>07.30.2004</u>	_____
(3) <u></u> Hyun-Jo Kim	<u>7/30/04</u>	_____
(4) <u></u> Se-Chung Oh	<u>7/30/04</u>	_____
(5) <u></u> Jun-Soo Bae	<u>7/30/04</u>	_____
(6) <u></u> In-Gyu Baek	<u>7/30/04</u>	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

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