

PATENT APPLICATION
Docket No. 8750-115
Client No. SPA/200403-0031

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: Eunsung SEO
2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Korea (South)
3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document: June 20, 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. 11/158,206, filed on 20 Jun 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
703-306-5995, on July 29, 2005.

Susan K. Kral
Susan K. Kral

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: July 29, 2005

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

Hosoon Lee

Hosoon Lee
Reg. No. 56,737

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: 3

700199290

PATENT
REEL: 016592 FRAME: 0352

OP \$40.00 11158206

PATENT APPLICATION
Docket No. 8750-115
Client Ref. No. SPA/200403-0031
(Samsung Ref) ID200404-016-1

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) **Eunsung SEO**

☐ 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 MEMORY DEVICE AND ARRAY INTERNAL POWER
VOLTAGE GENERATING METHOD THEREOF**

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.

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>Eunsung SEO</u> Eunsung SEO	<u>June 20, 2005</u>	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

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