

07-23-1998

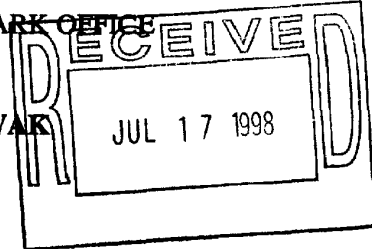


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PATENT APPLICATION
Atty's Do. No.4591-40
Samsung Ref.2057-1
Hana Ref. ID 6114-US

mtl
7-17-98

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re patent application of: **Du-Eung KIM and Choong-Keun KWAK**

Serial No. 09/028,150

Filed: February 23, 1998

For: **A SEMICONDUCTOR MEMORY DEVICE HAVING A REDUNDANCY CIRCUIT**

Box Assignment
Commissioner of Patents and Trademarks
Washington, D.C. 20231

ASSIGNMENT TRANSMITTAL COVER SHEET

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

1. Name of party conveying an interest: (1) **Du-Eung KIM**
(2) **Choong-Keun KWAK**
2. Name and address of party(ies) receiving an interest: **Samsung Electronics Co., Ltd.**
416 Maetan-Dong, Palkal-Ku
Suwon-City, Kyungki-Do
Republic of Korea
3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger ☐ Other:

07/22/1998 DNGUYEN 00000204 09028150
01 FC:581 40.00 OP

Date of execution of attached document: (1) **June 26, 1998**
(2) **June 26, 1998**

4. Application number(s) or patent number(s). Additional sheet attached? Yes ☐ No ☒
If this document is being filed together with a new application, the execution date of the application is.

A. Patent Application No. 09/028,150

B. Patent No.

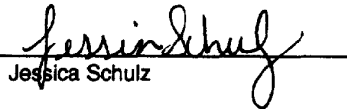
5. Name and address of party to whom correspondence concerning document should be mailed:

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

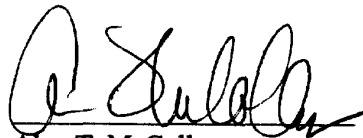
6. Number of applications and patents involved: 1
7. Enclosed is our check for \$40.00 (check no. 02⁰⁹¹⁶).
8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Assignment, Commissioner of Patents and Trademarks, Washington D.C. 20231, on July 13, 1998.

Signature


Jessica Schulz

Respectfully submitted,


Alan T. McCollom
Reg. No. 28,881

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

MARGER, JOHNSON,
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1030 S.W. Morrison Street
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PATENT APPLICATION
Atty's Do. No. 4591-40
Korean Priority Document No.: 97-5457
Samsung Ref. 2057-1
Hana Ref. ID 6114-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) **Du-Eung KIM**
- (2) **Choong-Keun KWAK**

[] 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, PALDAL-KU
SUWON-CITY, KYUNGKI-DO
REPUBLIC OF KOREA

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States Of America as defined in 35 U.S.C. §100, in and to the invention known as:

A SEMICONDUCTOR MEMORY DEVICE HAVING A REDUNDANCY CIRCUIT

for which an application for Letters Patent of the United States of America filed on February 23, 1998, Serial Number 09/028,150 has been executed 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 DATE(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Du-Eung KIM</u> KIM. D. E.	<u>98. 6. 26</u>	<u>Tim M. G.</u>
(2) <u>Choong-Keun KWAK</u> KWAK. C. K.	<u>98. 6. 26</u>	<u>B. J. Bay</u>

FOR ADDITIONAL INVENTORS, "X" BOX [] AND CONTINUE ON SEC- 2.005

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