

08-23-1999



101124619

PATENT APPLICATION

Atty's Do. No.4591-97

Hana Ref. ID7140-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MEO

8-12-99

In re patent application of: **Chul-Min JUNG and Min-Chul CHUNG**

Serial No. Filed herewith

Filed: August 12, 1999



For: **SEMICONDUCTOR MEMORY DEVICE WITH TRUE/COMPLEMENT REDUNDANCY SCHEME**

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) **Chul-Min JUNG**  
(2) **Min-Chul CHUNG**
- 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

09 373447

3. Description of the interest conveyed:

40E

Assignment  Change of Name  Security Agreement  Merger  Other:

Date of execution of attached document: (1) **August 10, 1999**  
(2) **August 11, 1999**

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. Filed herewith

B. Patent No.

08/20/1999 DCDATES 00000090 09373447

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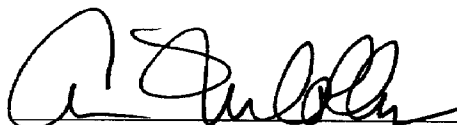
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5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Alan T. McCollom  
MARGER, JOHNSON, & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205  
Telephone: (503) 222-3613
6. Number of applications and patents involved: 1
7. Enclosed is our check for \$40.00 (check no. 020394).
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 August 12, 1999.

Respectfully submitted,



Alan T. McCollom  
Reg. No. 28,881

Signature



Derek S. Watson

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

MARGER, JOHNSON,  
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**PATENT APPLICATION**  
Atty's Do. No. 4591-97  
Korean Priority Document No.: 98-32774  
Hana Ref. ID7140-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) **Chul-Min JUNG**
- (2) **Min-Chul CHUNG**

[ ] 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. §1.00, in and to the invention known as:

**SEMICONDUCTOR MEMORY DEVICE WITH TRUE/COMPLEMENT  
REDUNDANCY SCHEME**

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 DATE(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Chul Min Jung</u> Chul-Min JUNG	<u>99. 8. 11</u>	<u>Law firm [Signature]</u>
(2) <u>Min Chul Chung</u> Min-Chul CHUNG	<u>99. 8. 10</u>	<u>Park Jang Yul</u>

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

PLEASE RETURN RECORDED ASSIGNMENT TO :

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