

01-17-2003

PATENT APPLICATION  
Attorney's Do. No. 4591-303

IN THE



DEMARK OFFICE

102341520

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

01/09/03

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: Yeong-Taek LEE, and Kang-Deog Suh
2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.  
San 16, Banwoi-ri, Taean-eub, Hwasung-city  
Gyeonggi-do KOREA

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document: January 3, 2003

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: January 3, 2003

A. Patent Application No.

B. Patent No.

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

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: January 9, 2003

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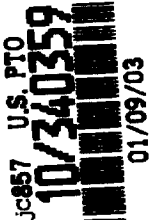
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Respectfully submitted,  
MARGER JOHNSON & McCOLLOM, P.C.

Alan T. McCollom  
Reg. No. 28,881

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Total number of pages comprising  
cover sheet and attached assignment: 3



PATENT  
REEL: 013659 FRAME: 0715

PATENT APPLICATION  
App's Do. No. 4591-303  
Koryo Ref. No.: ID11255-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) Yeong-Taek Lee
- (2) Kang-Deog Suh

☐ 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.**  
**SAN 16, BANWOL-RI, TAEAN-EUB**  
**HWASUNG-CITY, 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:

**NAND FLASH MEMORY DEVICE**

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.

DEC-21-2002 SAT 03:11 PM MARGER JOHNSON

FAX NO. 5032744622

P. 40

Please sign  
concurrently  
with Oath or Declaration  
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

INVENTOR(S)

DATE SIGNED

WITNESSED

(1) Yeong-Taek Lee  
Yeong-Taek Lee

Jan. 03, 2003

(2) Kang-Deog Suh  
Kang-Deog Suh

Jan. 03, 2003

PLEASE RETURN RECORDED ASSIGNMENT TO:

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