

In repatent application of: Byeng-sun CHOI; Tae-sung JUNG; Myoung-jae KIM; and Seung-keun LEE

Serial No. 08/990,023

Filed: December 12, 1997

For: ADVANCED NONVOLATILE MEMORIES ADAPTABLE TO DYNAMIC RANDOM ACCESS MEMORIES AND METHODS OF OPERATING THEREIN

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. **Byeng-sun CHOI** Name of party conveying an interest: (1)

> Tae-sung JUNG (2)

(3)Myoung-jae KIM

(4)Seung-keun LEE

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

07/13/1998 BNGUYEN 00000169 08990023 40.00 DP 01 FC:581

3. Description of the interest conveyed:

> x Assignment Change of Name Security Agreement Merger Other:

Date of execution of attached document: (1) June 5, 1998

> June 5, 1998 (2)

> June 5, 1998 (3)

> (4) June 5, 1998

1

- 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.
  - A. Patent Application No. 08/990,023
- B. Patent No.
- 5. Name and address of party to whom correspondence concerning document should be mailed:

Micah D. Stolowitz
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. 025775).
- 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 1, 1998.

Signature 200 S Walton

Derek S. Watson

Respectfully submitted,

Mich D. Stolowitz / Sou

Reg. No. 32,758

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

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

PATENT APPLICATION Atty's Do. No. 4591-31

Korean Priority Document No.: 96-65921

Samsung Ref. 2003-1 Hana Ref. ID6147-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) Byeng-sun CHOI
- (2) Tae-sung JUNG
- (3) Myoung-jae KIM
- (4) Seung-keun LEE
- [] 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:

## ADVANCED NONVOLATILE MEMORIES ADAPTABLE TO DYNAMIC RANDOM ACCESS MEMORIES AND METHODS OF OPERATING THEREIN

for which an application for Letters Patent of the United States of America filed on December 12, 1997, Serial Number 08/990,023 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.

PATENT REEL: 9299 FRAME: 0402

# Please sign concurrently with Oath or Declaration and Power of Attorney

## SIGNED ON THE DATE(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

INVENTOR(S)	DATE SIGNED	WITNESSED
(1) S. Moi. Byeng-sun CHOI	June 5. 90	youngeant.
(2) un Jung Tae-sung JUNG	6-5-48	- Sing W. See
(3) M.J. Jam. Myoung-jae KIM	<u>ó.t. +.</u>	<u> </u>
(4) <u>Seury-keun</u> L Seung-keun LEE	June 5.98	min-sun kim
Stang Main Did		

FOR ADDITIONAL INVENTORS, "X" BOX [] AND CONTINUE ON SEC- 2.005
PLEASE RETURN RECORDED ASSIGNMENT TO:

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

RECORDED: 07/01/1998