



To the Honorable Commissioner of Pat.

101020938

March 15, 1999
Attorney Dkt 5649-536

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jin-Sub Choi

2. Name and address of receiving party(ies):

Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-gu
Suwon-city, Kyungki-do
Republic of Korea

Additional name(s) of conveying party(ies) attached? ___ Yes X No

3. Nature of conveyance:

3-19-99

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other Correcting typographical error in Conveying

Party's name

Execution Date:

Additional name(s) & address(es) attached? ___ Yes X No

4. Application Serial No. 09/159,144 filed September 23, 1998

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? ___ Yes X No

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

Mitchell S. Bigel, Esq.
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

03/23/1999 DNGUYEN 00000274 09159144

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9. Statement and signature

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.

Mitchell S. Bigel, #29,614
Name of Person Signing

3/15/99

Signature

Date

Total number of pages including cover sheet, attachments and document: 5

11-04-1998

ASSIGNMENT RECORDATIO

nts Only



100867328

October 21, 1998
Attorney Dkt 5649-536

To the Honorable Commissioner of Patents

Please record the attached original documents or copy thereof.

MAR 10-26-98

1. Name of conveying party(ies):

~~Jim~~ Sub Choi

2. Name and address of receiving party(ies):

Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-gu
Suwon-city, Kyungki-do
Republic of Korea

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- ___ Merger
- ___ Security Agreement
- ___ Change of Name
- ___ Other _____

Execution Date: September 15, 1998

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9. Statement and signature

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.

Mitchell S. Bigel, #29,614
Name of Person Signing

Mitchell S. Bigel 10/21/98
Signature Date

Total number of pages including cover sheet, attachments and document: 3

Fee OK

11/04/1998 JMW/KINS 00000001 09159144 40.00 09

PATENT

ASSIGNMENT

THIS ASSIGNMENT, made by me, Jin-sub Choi, citizen of the Republic of Korea, residing at 106-1104, Samsung 4 cha Apt., 663-1, Pungdeockcheon-ri, Suji-eub, Yongin-city, Kyungki-do, Republic of Korea

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in **FUSE CIRCUITS AND METHODS THAT CAN SENSE THE STATE OF A FUSE THAT IS PROGRAMMED BUT NOT OPEN**, for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 09/159,144, filed September 23, 1998) the filing date and application number of said application when known, and

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation having a principal place of business at 416 Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to bind my heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 15th day of September, 1998.

CHOI JIN SUB (SEAL)
Jin-sub Choi

Witnessed by:

Date: _____

Date: _____

5649-536 Assignment



MSB

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

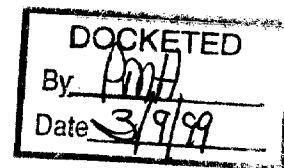
FEBRUARY 22, 1999

PTAS

MYERS BIGEL SIBLEY & SAJOVEC
MITCHELL S. BIGEL, ESQ.
P.O. BOX 37428
RALEIGH, NC 27627



100867328A



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR: JIN
CHOI, JIM-SUB

DOC DATE: 09/15/1998

ASSIGNEE:
SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, PALDAL-GU
SUWON-CITY, KYUNGKI-DO
REPUBLIC
OF KOREA

SERIAL NUMBER: 09159144
PATENT NUMBER:

FILING DATE: 09/23/1998
ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDED: 03/19/1999

PATENT
REEL: 9819 FRAME: 0840