

ASSIGNMENT RECORDATION FORM COVER SHEET

01-15-1999

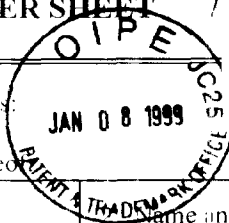


100943379

5, 1999
Attorney Dkt 5649-848

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copy thereof.



1. Name of conveying party(ies):

Sun-beong Yoon
Kye-hyun Kyung

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 No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other

Execution Date: September 22, 1998

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

4. Application Serial No. 09 198,704 filed November 24, 1998

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

Additional numbers attached? Yes No

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

Grant J. Scott
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

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.

Grant J. Scott, #36,925
Name of Person Signing

January 5, 1999
Date

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

01/15/1999 TDM11 00000002 09198704

01 FC:581

40.00 DP

PATENT
REEL: 9692 FRAME: 0559

Attorney Docket 5649-545

ASSIGNMENT

THIS ASSIGNMENT made by us, Sun-hyeong Yoon, citizen of the Republic of Korea, residing at 406-401 Sangnok Maed Inkwang Apt. 181, Jeongja-dong, Bundang-gu, Seongnam-city, Kyungki-do, Republic of Korea, and Kye-hyun Kyung, citizen of the Republic of Korea, residing at 401-906 Byunksan Apt. Kwonsun-dong, Kwonsun-gu, Gyeongsan-city, Kyungki-do, Republic of Korea.

WITNESSETH: That

WHEREAS, we are the joint inventors of certain new and useful improvements in **CIRCUITS FOR TESTING MEMORY DEVICES HAVING DIRECT ACCESS TEST MODE AND METHODS FOR TESTING THE SAME** for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P. A. to insert here in parentheses (Application No. 09/198,704 filed November 24, 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, we 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 us if this assignment and sale had not been made.

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

PATENT
REEL: 9692 FRAME: 0560

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

We further covenant and agree to bind our heirs, legal representatives and assigns, jointly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceeding involving said invention, to execute any additional papers which may be requested to confirm the right of said assignee, its representatives, successors or assigns to secure patent or similar protection on 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, we have hereunto set our hands and seals on this 22 day of September, 1998

Sun byeong Yoon
Sun-byeong Yoon

Kye-hyun Kyung
Kye hyun Kyung

Witnessed by

Date

Date