

MRD 7-8-98

FORM PTO-1594  
1-31-92

07-17-1998



ET

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 04329.1877To the Honorable Commissioner of Patents  
Please record the attached original document.

100767322

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):

Katsuhiko HIEDA, Tsunetoshi ARIKADO and  
Katsuya OKUMURAAdditional name(s) of conveying party(ies) attached? ☐

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other

Execution Date: June 15, 1998

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

Name: KABUSHIKI KAISHA TOSHIBA

Internal Address:

Street Address: 72 Horikawa-cho, Saiwai-ku,  
Kawasaki-shi, Japan

City:

State:

Zip Code:

Additional name(s) &amp; Address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s):

09/030,809

B. Patent Number(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mr. Ernest F. Chapman

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT  
& DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

6. Total number of applications and registrations involved:

1

7. Total fee (37 CFR 3.41): \$40

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

8. Deposit account number: 06-0916

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.

Richard V. Burgujian

July 8, 1998

Date

07/13/1998 JMT/KIM 00000237 09020009

01 FC:501

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

PATENT  
REEL: 9308 FRAME: 0478

## ASSIGNMENT

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

## SEMICONDUCTOR MEMORY DEVICE AND METHOD OF MANUFACTURING THE SAME

said application having been filed on February 26, 1998  
and assigned Serial No. 09/030,809 ;  
sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a corporation of Japan, having a business address at  
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

☒ executed concurrently herewith;

☐ executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U. S. Patent and Trademark Office for recordation of this document.

Finnegan, Henderson, Farabow, Garrett & Dunner, 1300 I Street, N.W.,  
Washington, D.C., 20005-3315

PATENT  
REEL: 9308 FRAME: 0479

# ASSIGNMENT

97S0924

Inventor: (Signature)      Date      Residence

Katsuhiko Hieda      JUN 15. 1998      Yokohama-shi, Japan  
Katsuhiko Hieda

Tsunetoshi Arikado      JUN 15. 1998      Tokyo, Japan  
Tsunetoshi Arikado

Katsuya Okumura      JUN 15. 1998      Yokohama-shi, Japan  
Katsuya Okumura

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RECORDING OFFICER:**  
After recording please return to:  
FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER

1300 I STREET, N. W.  
WASHINGTON, D. C. 20005-3315

RECORDED: 07/08/1998

**PATENT**  
REEL: 9308 FRAME: 0480