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FORM PTO-1594  
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Attorney Docket No. 04329.2464

101543866

To the Honorable Commissioner of Patents,  
Please record the attached original documents or copy thereof.

ATTN. BOX ASSIGNMENTS

1. Name of conveying party:  
Katsuhiko HIEDA  
11-24-00  
Additional name(s) of conveying party(ies) attached?  Yes  No

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) & Address(es) attached?  
 Yes  No  
09/718389  
10929 U.S. PTO  
11/24/00

Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name

Other  
Execution Date: November 16, 2000

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: November 16, 2000  
A. Patent Application Number(s):  
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  
Reg. No. 31,744  
Signature: Ernest F. Chapman  
Date: November 24, 2000  
ERNEST F. CHAPMAN  
Total number of pages including cover sheet, attachments and documents: 3

# A S S I G N M E N T

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 105-8001, 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 MANUFACTURE  
THE SAME

said application having been filed on \_\_\_\_\_  
and assigned Serial No. \_\_\_\_\_ ;  
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 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, L. L. P.,  
1300 I Street, N. W., Washington, D. C., 20005-3315

ASSIGNMENT

00S1060

Inventor: (Signature)

Date

Residence

Katsuhiko Hieda  
Katsuhiko Hieda

NOV. 16. 2000

Yokohama-shi, Japan

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After recording please return to:  
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