Atty Docket No.: FORM PTO-1595 1-31-92

240575 US2S RECOF PA

02-05-2004



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

102662457

To the Director of the United States Patent and Trademark Office	2. Name and address of receiving party(ies):
Name of conveying party(ies):     Hidehiro SHIGA, Shinichiro SHIRATAKE and Daisaburo	
TAIZ A CITIBA A	Name: KABUSHIKI KAISHA TOSHIBA
2-2-04	Address: 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan
Additional name(s) of conveying party(ies) attached?   Yes	No
3. Nature of Conveyance:	
■ Assignment □ Merger	
☐ Security Agreement ☐ Change of Name	
☐ Other	
Execution Date: August 22, 2003	Additional name(s) and 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	e execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
10/624,483	
Additional numbers atta	ached?
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
concerning document should be maried.	
Customer Number	7. Total fee (37 CFR 3.41): \$40.00
22850	■ Enclosed □ Authorized to be charged to deposit account
Tel. (703) 413-3000	
Fax. (703) 413-2220	8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE
9. Statement and signature	
To the best of my knowledge and belief, the foregoing informat	ion is true and correct and any attached copy is a true
copy of the original document.	1 1110 21
Eckhard H. Kuesters  Name of Person Signing  Si	Acafetta fr. Vet. 2 2004
V	gnature Date
Registration Number: 28,870 Joseph A. S	Scaretta, Jr. No. 26, 803
Total number of pages include	
Do not detacl	h this portion
Mail documents to be recorded with required cover sheet informa	tion to:
Director of the United States	
Mail Stop Assignment 04/2004 NGETACHE 00000103 10624483	
FC:8021 40.00 GP	<del></del>
ASSAS AL.	

**PATENT** REEL: 014942 FRAME: 0441

## ASSIGNMENT

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, Toshiba Corporation, 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

said application having been filed on July 23, 2003 and assigned Application No. 10/624,483; sell and assign to KABUSHIKI KAISHA TOSHIBA a corporation of Japan, having a business address at 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, 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 invension 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.

Oblon, Spivak, McClelland, Maier & Neustadt. P.C., 1940 Duke Street, Alexandria, Virginia 22314

PATENT REEL: 014942 FRAME: 0442

## ASSIGNMENT

Inventor: (Signature)	Date	Residence
Hidehiro Shiga Hidehiro Shiga	AUG. 22. 2003	Kawasaki-shi, Japan
Shirichia Abribba Shirichiro Shiratake	AUG. 22. 2003	Yokohama-shi, Japan
Devisal Zeledai Daisaburo Takashima	AUG. 22. 2003	Yokohama-shi, Japan

RECORDING OFFICER:

After recording please return to: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.,

1940 Duke Street Alexandria, VA 22314

**RECORDED: 02/02/2004** 

PATENT REEL: 014942 FRAME: 0443