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	Kazuhiko KAKIZOE and Toru OKAWA	Name: KABUSHIKI KAISHA TOSHIBA		
	Additional name(s) of conveying party(ies) attached? □Yes ■No	Address: 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan		
•	3. Nature of Conveyance:	5.64		
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	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 is: Janua			
	A. Patent Application No.(s)	B. Patent No.(s)		
1	Additional numbers att	ttached? □Yes □No		
	5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1		
	OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law	7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account		
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> **PATENT REEL: 010560 FRAME: 0169**

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 105-8001, 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:

ELECTRICALLY ERASABLE AND PROGRAMMABLE NONVOLATILE SEMICONDUCTOR MEMORY DEVICE HAVING DATA HOLDING FUNCTION AND DATA HOLDING METHOD

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)

- X 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, trealies 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., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

> PATENT REEL: 010560 FRAME: 0170

ASSIGNMENT

Inventor: (Signature)	Date	Residence
KAZUHIKO KAKIZOE	JAN. 28. 2000	Fuchu-shi, Japan
Joru Okawa Toru Okawa	JAN. 28. 2000	Yokohama-shi, Japan

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After recording please return to: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.,

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