| Atty Docket No.: 246829US2S  FORM PTO-1595 1-31-92  Atty Docket No.: 246829US2S  RECOGNATION FORM CO  |   |
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| To the Director of the United States Patent and Trademark Office. P   |   |
| <ol> <li>Name of conveying party(ies):</li> <li>Katsuhiko HOYA and Daisaburo TAKASHIMA</li> <li>Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No</li> </ol>  | Name and address of receiving party(ies):     Name: KABUSHIKI KAISHA TOSHIBA     Address: 1-1 Shibaura 1-chome, Minato-Ku,     Tokyo, Japan   |
| 3. Nature of Conveyance:  ■ Assignment  |   |
| Execution Date: January 23, 2004  | Additional name(s) and address(es) attached? ☐ Yes ■ No   |
| <ul> <li>4. Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application, the example of the example</li></ul> | execution date of the application is:    B. Patent No.(s)   |
| Additional numbers attack   | led? ☐ Yes ■ No   |
| 5. Name and address of party to whom correspondence concerning document should be mailed:   | 6. Total applications and patents involved: 1   |
| Customer Number 22850 Tel. (703) 413-3000 Fax. (703) 413-2220   | 7. Total fee (37 CFR 3.41): \$40.00  Enclosed  Authorized to be charged to deposit account  8. Deposit account number: 15-0030  (Attach duplicate copy of this page if paying by deposit account) |
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## 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 AND METHOD OF READING DATA

said application having been filed on December 19, 2003 and assigned Application No. 10/738,999; 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: 015344 FRAME: 0215

## ASSIGNMENT

| Inventor: (Signature) | Date           | Residence           |
|-----------------------|----------------|---------------------|
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