Atty Docket No.:

FORM PTO-1595 06-04

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11-17-2004



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To the Director of the United States Patent and Trademark Office. Pl	ease record the attached original accord	ents or copy thereof.
1. Name of conveying party(ies): Shinichiro SHIRATAKE	2. Name and address of receiving part Name: KABUSHIKI KAISHA TO Address: 1-1, Shibaura 1-chome, Mir 8001, Japan	OSHIBA
Additional name(s) of conveying party(ies) attached?   Yes No	_	ı
3. Nature of Conveyance:		
<ul><li>■ Assignment</li><li>□ Merger</li><li>□ Security Agreement</li><li>□ Change of Name</li><li>□ Other</li></ul>		
Execution Date: July 23, 2004	Additional name(s) and address(es) atta	sched?  Yes
4. Application number(s) or patent number(s):		
☐ This document is being filed together with a new application		
A. Patent Application No.(s) 10/893,949	B. Patent No.(s)	
Additional numbers attached	ed?	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents invol	ved: 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 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by	_
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## ASSIGNMENT

(03S1741)

In consideration of value received, I, having a residence as stated below above 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

sell and assign to KABUSHIKI KAISHA TOSHIBA a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, 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 United States patent application:

(check one)	eck one) [X] executed concurrently herewith				
		executed on Application No.	10/893,949	; , filed July 20	2004

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes 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 proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, 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.

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.

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July 23, 21

PATENT REEL: 015981 FRAME: 0567