0039-6692-2SRD/msc

To the Honorable Commissioner of Patents and mademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Hideyuki FUNAKI and Akio NAKAGAWA Name: KABUSHIKI KAISHA TOSHIBA Additional name(s) of conveying party(ies) attached?□ Yes ■ No Address: 72 Horikawa-cho Saiwai-ku 3. Nature of Conveyance: Kawasaki-shi, Japan ■ Assignment □ Merger ☐ Security Agreement □ Change of Name □ Other Execution Date: May 18, 1998 Additional name(s) & 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 execution date of the application is: May 18,1998 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? □ Yes ■ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: L concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law Enclosed Fourth Floor ☐ Authorized to be charged to deposit account 1755 Jefferson Davis Highway Arlington, Virginia 22202 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 information is true and correct and any attached copy is a true copy of the original document. Marvin J. Spivak Name of Person Signing Registration Number Tetal number of pages including cover sheet: 3 Registration No. 24,913 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: 02 FC:581

Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

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:

SEMICONDUCTOR DEVICE

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, 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., Fourth Floor. 1755 Jefferson Davis Highway, Arlington, Virginia 22202

> PATENT REEL: 9191 FRAME: 0141

ASSIGNMENT

Inventor: (Signature)	Date	Residence
Hideyuki Funaki	MAY 18.1998	
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Hideyuki Funaki		
Akio Nakagawa Akio Nakagawa	MAY 18.1998	
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RECORDING OFFICER:

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

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