Atty Docket No.: 225117US2S/tsh	07-15-2002
FORM PTO-1595 RI	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Traucular	102154798 Patent and Trademark Office
 Name of conveying party(ies): Michiaki HIYOSHI, Shigeru HASEGAWA, Naoyuki INOU Tatsuo HARADA Additional name(s) of conveying party(ies) attached? UYes Nature of Conveyance: Assignment Security Agreement Change of Name 	2. Name and address of receiving party(ies): UE and Name: KABUSHIKI KAISHA TOSHIBA Address: 1-1, Shibaura 1-chome, Minato-Ku.
□ Other	
Execution Date: May 20, 2002	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	on, the execution date of the application is: May 20, 2002
A. Patent Application No.(s)	B. Patent No.(s)
Additional numb	ers attached? □Yes ⊠No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
22850	 7. Total fee (37 CFR 3.41): \$40.00
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9. Statement and signature To the best of my knowledge and belief, the foregoing info copy of the original document. <u>Marvin J. Spivak</u> Name of Person Signing Registration Number: 24,913 Total number of pages includin	ng this cover sheet: 3
	a a contraction and the second
Mail documents to be recorded with required cover sheet in Commissioner of Box	detach this portion
	PATENT REEL: 013072 FRAME: 0519

ASSIGNMENT

In consideration of value received, I, having a mailing 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 Application No. 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)

imes 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, reissuc, 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

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ASSIGNMENT

Inventor: (Signature)	Date	Residence
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