Atty Docket No.:

0039-6943-2S/msc



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

100921023

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1. Name of conveying party(ies):		2. Name a	2. Name and address of receiving party(ies):	
Shimpei YOSHIOKA and Yasuhito SAITO Additional name(s) of conveying party(ies) attached? □Yes ■No		Name:	KABUSHIKI KAISHA TOSHIBA	PTO
		Address:	72 Horikawa-cho Saiwai-ku Kawasaki-shi, Japan	1997 PTO
3. Nature of Conveyance:			Kawasaki-sni, Japan	551
■ Assignment □ Security Agreement □ Other	□ Merger□ Change of Name			jc
Execution Date:	November 13, 1998	Additiona	name(s) and address(es) attached? □Yes	■No
4. Application number(s) or pa	tent number(s):			
If this document is being filed	together with a new application, th	e execution d	ate of the application is: November 13	3, 1998
A. Patent Application No.(s)			No.(s)	
	Additional numbers at	tached? □Yes	s■No	
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total ap	oplications and patents involved:	
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.		7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed		
Attorneys at Law 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)	
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9. Statement and signature				
To the best of my knowledge of the original document.	and belief, the foregoing informat	ion is true an	d correct and any attached copy is a true	сору
Marvin J. Spivak		AM	1 1/2/198	
Name of Person Signing		Signature	Date	*
D	3		•	
Registration Number: 24,91				

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

PATENT REEL: 9629 FRAME: 0770

ASSIGNMENT

In consideration of value received, I, having a post office address at exo 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: 9629 FRAME: 0771

ASSIGNMENT

Inventor: (Signature)	Date	Residence
Stumpei Yoshioka	NOV 13.1998	Yokohama-shi, Japan
Shimpei Yoshioka		
Yasuhito Saito	NOV 13.1998	Yokohama-shi, Japan
Yasuhito Saito		

RECORDING OFFICER:

After recording please return to: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.,

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

RECORDED: 11/25/1998

PATENT REEL: 9629 FRAME: 0772