FORM PTO-1595 (Rev. 6-93) (D1-10-2002



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3. Nature of conveyance:  Assignment	Street Address:	1-1 Shibaura 1-chome Minato-Ku		
Security Agreement Merger Change of Name	City:	Tokyo Japan		
Other  Execution Date: December 17, 2001	Additional name(s) & a	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: December 27, 2001				
A. Patent Application No.(s) B. Patent No.(s)				
Additional numbers attached?  Yes  No  10033442				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of a	applications and patents involved1		
Name: Grace L. Pan, Esq.	7. Total fee (37 CFR	R 3.41)\$ 40.00		
Internal Address: Frommer Lawrence & Haug LLP	☐ Authorize	ed to be charged to deposit account #50-0320		
Street Address: 745 Fifth Avenue	8. Deposit account n (Attach duplicate	number: 50-0320 copy of this page if paying by deposit account)		
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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.				
Grace L. Pan	el a	December 27, 2001		
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## 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:

LEVEL SHIFTER FOR CONVERTING A VOLTAGE LEVEL AND A SEMICONDUCTOR MEMORY DEVICE HAVING THE LEVEL SHIFTER

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)

 $\times$  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.

Frommer Lawrence & Haug LLP, 745 Fifth Avenue, New York, NY 10151

PATENT REEL: 012426 FRAME: 0831

## ASSIGNMENT

Inventor: (Signature)	Date	Residence
Jon Jaylar Toru Tanzawa	DEC. 1 7. 2001	Ebina-shi. Japan
Kentaro Watanabe Kentaro Watanabe	DEC. 1 7.2001	Yokohama-shi, Japan

## RECORDING OFFICER:

After recording please return to: Frommer Lawrence & Haug LLP

745 Fifth Avenue New York, New York 10151

**RECORDED: 12/27/2001** 

PATENT REEL: 012426 FRAME: 0832