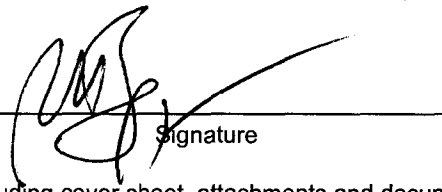


02-14-2005

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No.: 04329.3446  
Attorney Customer Number: 22,852To the Honorable Commissioner of Patent  
Please record the attached original documents or copy thereof.

102941109

ATTN. BOX ASSIGNMENTS

1. Name of conveying parties: <b>1) Sachiyo ITO</b> <b>2) Masahiko HASUNUMA</b>		2. Name and address of receiving party: Name: <b>KABUSHIKI KAISHA TOSHIBA</b>	
Additional name of conveying party attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address:	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:		Street Address: <b>1-1 Shibaura 1-Chome, Minato-ku, Tokyo 105-8001, Japan</b> City:	
		State:	Zip Code:
Execution Date: <b>November 16, 2004</b>		Additional name & Address attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Application number or patent number: If this document is being filed together with a new application, the execution date of the application: A. Patent Application Number: <b>10/986,071</b> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent Number:			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>Mr. Ernest F. Chapman</b> Internal Address: <b>FINNEGAN, HENDERSON, FARABOW, GARRETT &amp; DUNNER, L.L.P.</b> Street Address: <b>1300 I Street, N.W.</b> City: <b>Washington, D.C.</b> State: Zip: <b>20005-3315</b>		6. Total number of applications and registrations involved: <b>1</b> 7. Total fee (37 CFR 3.41): <b>\$40</b> <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account <b>40E</b>	
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.  Richard V. Burgujian Reg. No. 31,744  Signature:  Date: <b>February 9, 2005</b>  Total number of pages including cover sheet, attachments and documents: <b>3</b>		8. Deposit Account No.: <b>06-0916</b>	

ASSIGNMENT

(03S1587)

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 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) ☒ executed concurrently herewith  
☐ executed on ;  
☐ Application No. , filed ;

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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Masahiko Hasunuma  
Masahiko Hasunuma

November 16, 2004  
Date: