To the Director of the U.S. Patents and Vactomar 103466081 I documents or copy thereof. 1. Name of conveying party(les): NoV 3.9 ToW white the line of the line o	ÓMB No. 9651-0027	4 - 2007 U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 04329.4249 Attorney Customer Number: 22,852		
Name: KABUSHIKI KAISHA TOSHIBA	To the Director of the U.S. Patents and Tademar 1034	166081 I documents or copy thereof.		
Additional name(s) of conveying party(ies) attached? Yes No Internal Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan Tokyo	1. Name of conveying party(ies): NOV 2 9 2007	Name and address of receiving party(ies):		
Street Address: 1-1, Shibaura 1-chome, Minato-ku, Execution Date October 12, 2007 Street Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan City: Security Agreement Change of Name State: Zip Code: City: Zip Code:		Name: KABUSHIKI KAISHA TOSHIBA		
Execution Date October 12, 2007 Assignment Merger Sitate: Zip Code: Security Agreement Change of Name State: Zip Code:	Additional name(s) of conveying party(ies) attached? Yes No	Internal Address:		
Security Agreement		The state of the s		
Joint Research Agreement	⊠ Assignment ☐ Merger	City:		
Government Interest Assignment Executive Order 9424, Confirmatory License Yes No	☐ Security Agreement ☐ Change of Name	State: Zip Code:		
Additional name(s) & Address(es) attached? Cother	Joint Research Agreement			
City: Washington, D.C. Application number(s) or patent number(s):		Additional name(s) & Address(es) attached?		
4. Application number(s) or patent number(s): This document is being filed together with a new application A. Patent Application Number(s): 11/905,302				
A. Patent Application Number(s): 11/905,302 Additional numbers attached? Yes No 5. Name and address of to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman 7. Total fee (37 CFR 3.41): \$40 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed (Please charge deficiency to deposit account) None required (government interest not affecting title) Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 901 New York Avenue, NW City: Washington, D.C. State: Zip: 20001-4413 Authorized User Name 8. 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 results of the programment information is true and correct and any attached copy is a true copy of the original results.				
Additional numbers attached?				
Additional numbers attached? ☐ Yes ☐ No 5. Name and address of to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman 7. Total fee (37 CFR 3.41): \$40 ☐ Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed (Please charge deficiency to deposit account) ☐ None required (government interest not affecting title) 8. Payment Information Street Address: 901 New York Avenue, NW City: Washington, D.C. State: Zip: 20001-4413 Authorized User Name 8. 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 property of the original pro		B. Patent Number(s):		
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Authorized to be charged to deposit account Enclosed (Please charge deficiency to deposit account) None required (government interest not affecting title)	Name: Mr. Ernest F. Chapman	7. Total fee (37 CFR 3.41): \$40		
Street Address: 901 New York Avenue, NW a. Credit Card Last 4 Numbers Expiration Date City: Washington, D.C. b. Deposit Account No.: 06-0916 State: Zip: 20001-4413 Authorized User Name 8. 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		 ☐ Authorized to be charged to deposit account ☐ Enclosed (Please charge deficiency to deposit account) ☐ None required (government interest not affecting 		
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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	State: Zip: 20001-4413	Authorized User Name		
	8. Statement and signature.			
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Richard V. Burgujian November 29, 2907	Richard V. Burgujian			
Reg. No. 31,744 Signature 12/03/2007 MGETACHE 00000048 113/03/302	$\forall j$	/		
Total number of pages including cover sheet, attachmen ®1 af (a) with uments: 3 Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:				

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

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 AND METHOD OF FABRICATING THE SAME

have sold and assigned and do hereby 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)	[X]	executed concurrently herewith		
		executed on Application No.	; £ 1	
	LJ	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.

Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 901 New York Avenue, NW Washington, D.C. 20001-4413

PATENT REEL: 020209 FRAME: 0298

ASSIGNMENT

APG044860·USA·A (05S0671)

[1st Inventor]

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Citizenship: Japan

Hideki Inokuma

Oct. 12, 2007 H.I.

October

(2, 200)

Date:

PATENT RECORDED: 11/29/2007 REEL: 020209 FRAME: 0299