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1	To the D	irector of the U.S. Patents and Trader		I documents or copy thereof.			
	1.	Name of conveying parties O		ne and address of receiving party:			
		1.) Masamichi SUZÜKI 2.) Takeshi YAMAGUCHI DEC 0 9 2005	Name:	KABUSHIKI KAISHA TOSHIBA			
إد	Additional name(s) of conveying party(ies attached? See No		Internal Address: 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN				
	3. Nature of conveyance/Execution Dates: Execution Dates:			ress:			
	LACOULIO	1.) September 29, 2005	i				
		2.) September 29, 2005 Assignment Merger	City:				
		Security Agreement	State:	Zip Code:			
		Joint Research Agreement					
	Government Interest Assignment			<u> </u>			
1		Executive Order 9424, Confirmatory License	Additional r	Additional name(s) & Address(es) attached?			
1		Other		☐ Yes			
\mathbf{f}	4.	4. Application number(s) or patent number(s): This document is being filed together with a new application.					
	Α.	Patent Application Number:	В. Р	Patent Number(s):			
		11/234,217					
		Additional numbers attached?	Yes	⊠ No			
	5.	Name and address of to whom correspondence concerning document should be mailed:	6. Total number of applications and registrations Involved:				
	Name	Mr. Ernact E. Chanman	7. T	Total fee (37 CFR 3.41): \$40			
	Name:	Mr. Ernest F. Chapman	l _				
			☐ A 図 E	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.			8. Payment Information			
Ī	Street A	ddress: 901 New York Avenue, NW	a	a. Credit Card Last 4 Numbers Expiration Date			
	City:	Washington, D.C.	b	b. Deposit Account No.: 06-0916			
Ī	State:	Zíp: 20001-4413		Authorized User Name			
1	8.	Statement and signature.	<u> </u>				
	To the b	pest of my knowledge and belief, the foregoing information is true and onto					
4	2005 DBY	FINE 00000120 11234217	/ 4	440266 December 9, 2005			
C	8021	40.00 BP Charles EV	an Mos	Yh			
-	##0266 ##0205 DBYFNE 00000120 11234217 ##0266 ##0266 Charle E Van Horn December 9, 2005 Signature Date						
		Total number of pages including cover sheet,	attachments	s and documents: 3			

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

PATENT REEL: 017339 FRAME: 0267 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 MANUFACTURING METHOD THEREOF

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	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.

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

PATENT REEL: 017339 FRAME: 0268

ASSIGNMENT

13G040220-USA-A (05S1352)

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Takeshi Yamaguchi Sep. 29. 2005

Date:

PATENT REEL: 017339 FRAME: 0269

RECORDED: 12/09/2005