FORM PTO-1595 (Rev. 07/05) U.S. PTO R
OMB No. 0651-0027
(exp 6/30/2008) 11/902217 09/20/2007

09-28-2007

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U.S. Department of Commerce **Patent and Trademark Office** Attorney Docket No. 04173.0547 **Attorney Customer Number: 22,85**

To the Director of the U.S. Patents and Trad 10344898				riginal documents or copy thereof.			
1.	Name of conveying party(ies): Yoshihisa IMORI			Name and address of receiving party(ies): Name: KABUSHIKI KAISHA TOSHIBA			
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No				Internal Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan			
Nature of conveyance/Execution Date(s): Execution Dates(s) September 6, 2007			Street A	ddress:			
⊠	Assignment	☐ Merger	City:				
	Security Agreement Joint Research Agreement	Change of Name	State:	2	Zip Code:		
	Government Interest Assignment						
	•			Additional name(s) & Address(es) attached?			
	Executive Order 9424, Confirmatory License			☐ Yes 🔯] No		
	Other						
4.	Application number(s) or pate	ent number(s):	☑ This do	cument is being filed t	together with a new applic	atior	
A.	Patent Application Number(s):		B.	Patent Number(s):			
1	Ad	dditional numbers attached?	☐ Yes	⊠ No			
			1				
5.	Name and address of to whom document should be mailed:	n correspondence concerning	6.	Total number of ap involved:1	pplications and registrati	ions	
Name:	Mr. Ernest F. Chapman		7.	Total fee (37 CFR 3	3.41): \$40		
				Authorized to be cha	arged by credit card		
				Authorized to be cha	arged to deposit account narge deficiency to deposit	t	
				account) None required (gove	ernment interest not affect		
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Street A	Address: 901 New York Avenu	ue, NW			ast 4 Numbers xpiration Date		
City:	Washington, D.C.			b. Deposit Account i	•	į	
State:	Zip:	20001-4413		Authorized User	Name	-	
8.	Statement and signature.	W-M-Ass.	<u></u>				
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.							
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	Richard V. Burgujian	by Rif V	, Bu	-1 5	September 20, 2007	1	
	Reg. No. 31,744 Signatu				Date		
Total number of pages including cover sheet, attachments and documents: 3							

JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME
for which we executed an application for United States Letters Patent concurrently herewith or onor filed an application for United States
Letters Patent on(Application No); and
WHEREAS, KABUSHIKI KAISHA TOSHIBA, a corporation of Japan, whose post office address is 1-1,
corporation of, whose post office address is
Shibaura 1-chome, Minao-ku, Tokyo 105-8001 Japan
(hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;
AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts know to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.
AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No, filed) the filing date and application number of said application when known.

PATENT REEL: 019911 FRAME: 0787

Attorney Docket No.:

IN TESTIMONY WHEREOF, we have hereunto set our hands.

First Assign	ior				
	Name: Yoshihisa IMORI Address: Yokohama-shi, Kanagawa-ken Japan				
Citizenship: Signature:	Japan Joshihisa Imori September 6, 2007				
Date:	ste: <u>September 6,200/</u>				
Second Ass	signor				
	Name: Address:				
Citizenship:					
Signature:					
Date:					
Third Assig	nor				
	Name: Address:				
Citizenship:					
Signature:					
Data					

RECORDED: 09/20/2007

REEL: 019911 FRAME: 0788