Form PTO-1595 (Rev. 06-12) OMB No. C651-0027 (exp. 04/30/2015) 08 / 20	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office		
	AUG 1 6 2013 (5)		
To the Director of the U.S. Patent and 10366	uments or the new andress(es) below.		
1. Name of conveying party(ies)	2. Name and address of receiving party(les)		
	Name: Renesas Electronics Corporation		
1)Yoshiharu Kaneda ; 2)Naoko Taniguchi	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 1753, Shimonumabe, Nakahara-ku		
3. Nature of conveyance/Execution Date(s):  Execution Date(s) June 7, 2013	Street Address.		
Assignment Merger			
	City: Kawasaki-shi		
Security Agreement Change of Name  Joint Research Agreement	State: Kanagawa		
Government Interest Assignment	State: Nanagawa		
Executive Order 9424, Confirmatory License	Country: Japan Zip:		
Other			
	Additional name(s) & address(es) attached? Yes No		
4. Application or patent number(s):	document serves as an Oath/Declaration (37 CFR 1.63).  B. Patent No.(s)		
TALL ALCIN Application No.(0)	2. ( Sidnic viol(e)		
13/968,289			
Additional numbers at			
5. Name and address to whom correspondence	6. Total number of applications and patents		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.	6. Total number of applications and patents		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law Group, PLLC	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law Group, PLLC  Street Address: 8321 Old Courthouse Road	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account Enclosed		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law Group, PLLC  Street Address: 8321 Old Courthouse Road Suite 200	6. Total number of applications and patents involved:   7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account Enclosed  None required (government interest not affecting title)		
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5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law Group, PLLC  Street Address: 8321 Old Courthouse Road Suite 200  City: Vienna	6. Total number of applications and patents involved:   7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account Enclosed  None required (government interest not affecting title)		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law Group, PLLC  Street Address: 8321 Old Courthouse Road Suite 200  City: Vienna  State: Virginia Zip: 22182-3817	6. Total number of applications and patents involved:   7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account Enclosed  None required (government interest not affecting title)  8. Payment Information		
5. Name and address to whom correspondence concerning document should be mailed:  Name: Sean McGinn, Esq.  Internal Address: McGinn Intellectual Property Law Group, PLLC  Street Address: 8321 Old Courthouse Road Suite 200  City: Vienna  State: Virginia Zip: 22182-3817  Phone Number: 703 761 4100	6. Total number of applications and patents involved:   7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  8. Payment Information  Deposit Account Number 50-0481(deficiencies only)		
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PATENT REEL: 031172 FRAME: 0428

## ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, Renesas Electronics Corporation of Kanagawa, Japan, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC 119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

the assignee. (Legalization not required for recording but is prima facie evidence of execution under 35 USC 261) As the below named inventor, I hereby declare that: N The attached application, or This assignment with declaration is directed to: United States Application or PCT International Application Number filed on The application is entitled: MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE The above identified application was made or was authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted. I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. Authorization To Permit Access To Application by Participating Office If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual

(JPO), the Korean Intellectual Property Office (KIPO), the world intellectual Property Office (KIPO), the world intellectual Property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified property offices in which a foreign application not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application—as—filed with respect to: 1) the above—identified patent application—as—filed, 2) any foreign application to which the above—identified application claims priority under 35 USC 119(a)—(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above—identified patent application, and 3) any U.S. application—as—filed from which benefit is sought in the above—identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

PATENT REEL: 031172 FRAME: 0429

Legal Name of Inventor	Yoshinaru NAINI			<u> </u>
Inventor's Signature	Joshiho	ru Haneda	Date June	7.2013
Legal Name of Additional	Inventor, If Any	Naoko TANIGUCHI	AND THE RESIDENCE OF THE PARTY	and the second s
Inventor's Signature			Date	

Legal Name. of Inventor	YOSHINGRU KANEDA				
Inventor's Signature	**************************************		Date		
Legal Name of Additional	Inventor, If Any	Naoko TANIGUCHI			
leventor's Signature	naoko	Janigue for	Date Tu	ne 7.	2013

PATENT REEL: 031172 FRAME: 0431