503086414 12/04/2014

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOJI MAEKAWA	08/05/2013
TATSUYOSHI MIHARA	08/05/2013

RECEIVING PARTY DATA

Name:	RENESAS ELECTRONICS CORPORATION		
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14560437	

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NAME OF SUBMITTER: ERIC JENSEN

SIGNATURE: /Eric Jensen/

DATE SIGNED: 12/04/2014

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2 source=ASSMT#page1.tif source=ASSMT#page2.tif

PATENT 503086414 REEL: 034378 FRAME: 0102

Docket No.: Only After Sept 16, 2012

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.

(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:
This assignment with declaration is directed to:	X The attached application, or
	United States Application or PCT International Application Number
	filed on
The application is entitled:	
	MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE
The above identified application was m	nade or was authorized to be made by me.
I believe that I am the original inventor	r or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the co	ontents of the application for which this assignment with declaration is being submitted.
I am aware of the duty to disclose to t	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 f or imprisonment of not more than five	alse statement made in this assignment with declaration is punishable under 18 USC 1001 by fine (5) years, or both.
Authorization To Permit Access To A	Application by Participating Office
(JPO), the Korean Intellectual Property property offices in which a foreign app patent application. See 37 CFR 1.14(c	y grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (VIPO), the World Intellectual Property Office (WIPO), and any other intellectual lication claiming priority to the above-identified application is filed access to the above-identified and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or lich a foreign application claiming priority to the above-identified application is filed to have
identified patent application—as—filed, 3 119(a)–(d) if a copy of the foreign app	access will be provided to a copy of the application—as—filed with respect to: 1) the above—2) any foreign application to which the above—identified application claims priority under 35 USC lication that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above—by U.S. application—as—filed from which benefit is sought in the above—identified patent application.

PATENT REEL: 034378 FRAME: 0103

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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.

Legal Name of Inventor	KOII MAEKAWA			······································
Inventor's Signature	Koji Markama	Date_	Augase S	-, 20/3
Legal Name of Additional	Inventor, If Any <u>Tatsuyoshi MIHARA</u>			
Inventor's Signature	Tatourock: Mikara	Date	August	5,2013

RECORDED: 12/04/2014

PATENT REEL: 034378 FRAME: 0104