#### 501908187 05/02/2012

### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Takeyoshi MASUDA	03/27/2012

#### **RECEIVING PARTY DATA**

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13415406

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ATTORNEY DOCKET NUMBER:	92396-329138	
NAME OF SUBMITTER:	Michael A. Sartori, Ph.D.	

Total Attachments: 2

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PATENT REEL: 028144 FRAME: 0573 H \$40 00 1341540

ATTORNEY DOCKET NO. 92396-329138

# UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## **ASSIGNMENT**

		Application No.	13/415,406	Filed	March 8,	2012
		rippiiodeloii ito.	10/110/100	_	rarch o,	2012
Insert Name(s) of Inventor(s)	-	WHEREAS,	Takeyoshi MASUDA		*******	
						· · · · · · · · · · · · · · · · · · ·
		(hereinafter designa	ated as the undersigned) has (ha	ve) invented certain new	and useful impro	vements in
Insert Title of Invention	₩	Method of Manufacturing Semiconductor Device				
Insert Date of			cation for Letters Patent of t t in the case of a provisional app		erica has been	executed by the
Signing of						
Application	***	on March	27, 2012	*		; and
Insert Name of Assignee	-	WHEREAS,	Sumitomo Electric	Industries, Lt	id.	·
Insert Address of Assignee	-	of <u>5-33, Ki</u>	tahama 4-chome, Chuc	o-ku, Osaka-shi,	Osaka 541	-0041 Japan
*.						
		***	**************************************			
CHECK BOX IF APPROPRIATE	**	desirous of acqu Letters Patent(s)	sors, legal representatives ar iring the entire right, title an ) that may be granted therefo I foreign countries.	d interest in and to sa	id invention a	nd in and to any
		hand paid, the re the undersigned and transfer unto of America, its te to any and all Le	REFORE, in consideration of aceipt of which is hereby acking has (have) sold, assigned and said Assignee the full and exemptories, dependencies and patters Patent(s) which may be adencies and possessions, and	nowledged, and other g d transferred, and by t colusive right to the sai ossessions and the ent e granted therefor in th	ood and valuat hese presents d invention in t ire right, title a le United State	ole consideration, does sell, assign he United States nd interest in and es of America, its
		_	all divisions, reissues, continu		l extensions th	ereof for the full

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Venable LLP 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date	March 27, 2012	, Name of inventor	Takeyoshi MASUDA	da
(2) Date		, Name of Inventor		
(3) Date		, Name of Inventor		
(4) Date		, Name of Inventor		
(5) Date		, Name of Inventor		
(6) Date		. Name of Inventor		
(7) Date		, Name of Inventor		