# PATENT ASSIGNMENT

# Electronic Version v1.1

Stylesheet Version v1.1

	:	NEW ASSIGNMENT		
NATURE OF CONVE	EYANCE: ASSIGNMENT			
CONVEYING PARTY	/ DATA			
Name Execution Date				
Tomoko MATSUDAI			04/11/2013	
Tsuneo OGURA			04/10/2013	
Yuichi OSHINO			04/11/2013	
Hideaki NINOMIYA			04/15/2013	
Kazutoshi NAKAMU	RA		04/12/2013	
RECEIVING PARTY	DATA			
Name:	Kabushiki Ka	isha Toshiba		
Street Address:	1-1, Shibaura	1-chome		
Internal Address:	Minato-ku			
City:	Tokyo			
State/Country:	JAPAN			
PROPERTY NUMBERS Total: 1 Property Type Number				
Property 7	уре			
Property T Application Number		13846624		
Application Number				
Application Number		13846624		
Application Number	: E DATA 1212319	13846624		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone:	E DATA 1212319 <i>be sent via US</i> 2123194	13846624 9490 <i>Mail when the fax attempt is unsud</i> 1900		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone: Email:	E DATA 1212319 <i>be sent via US</i> 2123194 rlevinsol	13846624 9490 <i>Mail when the fax attempt is unsud</i> 4900 hn@hhpatent.com		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name	E DATA 1212319 <i>I be sent via US</i> 2123194 rlevinsol e: Holtz, H	13846624 9490 <i>Mail when the fax attempt is unsud</i> 4900 hn@hhpatent.com oltz, Goodman & Chick PC		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name Address Line 1:	E DATA 1212319 <i>I be sent via US</i> 2123194 rlevinsol e: Holtz, H 220 Fifth	13846624 9490 <i>Mail when the fax attempt is unsud</i> 4900 hn@hhpatent.com oltz, Goodman & Chick PC n Avenue		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name	E DATA 1212319 be sent via US 2123194 rlevinsol e: Holtz, Ho 220 Fifth 16th Flo	13846624 9490 <i>Mail when the fax attempt is unsud</i> 4900 hn@hhpatent.com oltz, Goodman & Chick PC n Avenue		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2:	E DATA 1212319 <i>be sent via US</i> 2123194 rlevinsol e: Holtz, H 220 Fiftr 16th Flo New Yo	13846624 9490 <i>Mail when the fax attempt is unsud</i> 4900 hn@hhpatent.com oltz, Goodman & Chick PC h Avenue or		
Application Number CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	E DATA 1212319 <i>be sent via US</i> 2123194 rlevinsol e: Holtz, Ho 220 Fiftr 16th Flo New You T NUMBER:	13846624 A490 <i>Mail when the fax attempt is unsud</i> 4900 hn@hhpatent.com oltz, Goodman & Chick PC n Avenue or rk, NEW YORK 10001		

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# REEL: 030465 FRAME: 0065

Signature:	/Ryan Levinsohn/		
Date:	05/22/2013		
	This document serves as an Oath/Declaration (37 CFR 1.63).		
Total Attachments: 5 source=13304_DECASSIGNMENT#page1.tif source=13304_DECASSIGNMENT#page2.tif source=13304_DECASSIGNMENT#page3.tif source=13304_DECASSIGNMENT#page4.tif source=13304_DECASSIGNMENT#page5.tif			

Combined Declaration and Assignment				
Title of Invention	POWER SEMICONDUCTOR DEVICE			
As the below	w named inventor, I he	reby declare that:		
This declare is directed to		ttached application, or		
is directed i	[X] United	d States application or PCT internation or PCT internation of <u>March 1</u>		
The above-i	dentified application w	as made or authorized to be made b	y me.	
I believe tha application.	tt I am the original inve	ntor or an original joint inventor of a	claimed invention in the	
In consideration of value received, I sell and assign to <u>Kabushiki Kaisha Toshiba</u> , having a business address at <u>1-1</u> . <u>Shibaura 1-chome</u> . <u>Minato-ku</u> . <u>Tokyo</u> , <u>Japan</u> , its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.				
as the applic	I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.			
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 proceeding, sign all lawful papers, execute all divisional, continuing, 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 in all countries.				
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.				
LEGAL NAME OF INVENTOR				
Tomol	O MATSUDAI	Jomoho matsudari	Apr 11, 2013	
	Inventor	Signature	Date	

Combined Declaration and Assignment					
Title of Invention	POWER SEMICONDUCTOR DEVICE				
As the belo	As the below named inventor, I hereby declare that:				
This declaration [] The at is directed to:		ttached application, or			
	[X] Unite	d States application or PCT internation or PCT internation or <u>March 11</u>			
The above-i	dentified application w	as made or authorized to be made b	y me.		
I believe that application.	t I am the original inve	ntor or an original joint inventor of a	claimed invention in the		
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I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.					
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LEGAL NAME OF INVENTOR					
Tsu	TSUNEO OGURA Juneo Ogara Apr. 10 - 2013				
Inventor Signature Date		Date			

Combined Declaration and Assignment					
Title of Invention	POWER SEMICONDUCTOR DEVICE				
As the below	As the below named inventor, I hereby declare that:				
This declare	This declaration [] The a		ation, or		
IS GREDIED I	[X] United	d States applic er <u>13/846.62</u>	ation or PCT internation 4 filed on <u>March 1</u>	onal application 8. 2013 .	
The above-i	dentified application w	as made or au	thorized to be made b	y me.	
i believe tha application.	t I am the original inve	ntor or an orig	inal joint inventor of a	claimed invention in the	
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LEGAL NAME OF INVENTOR					
Yuic	Yuichi OSHINO Oshino Yuichi Apr 11, 2013			Apr 11, 2013	
	Inventor Signature Date			Daie	

Combined Declaration and Assignment					
Title of Invention	POWER SEMICONDUCTOR DEVICE				
As the below	As the below named inventor, I hereby declare that:				
This declara		ttached application	n, or		
	[X] Unite	d States applicati er <u>13/846.624</u>	on or PCT internation filed on <u>March 1</u>	onal application 8, 2013	
The above-i	dentified application w	as made or autho	nized to be made b	y me.	
I believe that application.	t I am the original inve	entor or an origina	I joint inventor of a	claimed invention in the	
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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
LEGAL NAME OF INVENTOR					
Hidea	ki NINOMIYA	9 didenta	ninoninger	Apr. 15, 2013	
	Inventor	1	nature	Date	

Combined Declaration and Assignment					
Title of Invention	POWER SEMICONDUCTOR DEVICE				
As the below	As the below named inventor, I hereby declare that:				
This declara		ttached application, or			
ia unsolad p	[X] Unite	d States application or PCT internation or PCT internation or <u>March 11</u>	onal application 8. 2013 .		
The above-i	dentified application w	as made or authorized to be made b	y me.		
I believe that application.	it I am the original inve	ntor or an original joint inventor of a	claimed invention in the		
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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
LEGAL NAME OF INVENTOR					
Kazutos	Kazutoshi NAKAMURA Kayuashi Mahamura Apr. 12, 2013				
Inventor Signature		Date			

### Holtz, Holtz, Goodman & Chick PC 220 Fifth Avenue, 16th Floor, New York, NY 10001-7708 Tel. (212) 319-4900 Fax. (212) 319-5101

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## PATENT REEL: 030465 FRAME: 0071

**RECORDED: 05/22/2013**