PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shouhei KOUSAI	03/01/2013
Yuji SATOH	03/01/2013
Hiroyuki KOBAYASHI	03/01/2013

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA		
Street Address:	1-1, Shibaura 1-chome		
City:	Minato-ku, Tokyo		
State/Country:	JAPAN		
Postal Code:	105-8001		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13789558

CORRESPONDENCE DATA

Fax Number: 2123195101

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2123194900

Email: akulkarni@hhpatent.com

Correspondent Name: HOLTZ, HOLTZ, GOODMAN & CHICK PC

Address Line 1: 220 Fifth Avenue Address Line 2: 16TH Floor

Address Line 4: NEW YORK, NEW YORK 10001-7708

ATTORNEY DOCKET NUMBER:	13234	
NAME OF SUBMITTER:	Amit Kulkarni	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

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PATENT REEL: 029947 FRAME: 0275

Combined Declaration and Assignment for Utility or Design Application

Title of Invention	OSCILLATION FREQUE	NCY ADJUSTING CIRCUIT		
As the below	w named inventor, I her	eby declare that:		
This declaration [X] The a is directed to:		attached application, or		
		States application or PCT internation r filed on	nal application	
The above-	The above-identified application was made or 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.				
In consideration of value received, I sell and assign to <u>Kabushiki Kaisha TOSHIBA</u> , having a business address at <u>1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 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.				
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 wiltful 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				
Sho	ouhei KOUSAI	Starter Karsai	Mar. 1, 2013	
Invento	or (printed name)	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

> PATENT REEL: 029947 FRAME: 0276

Combined Declaration and Assignment for Utility or Design Application Title of OSCILLATION FREQUENCY ADJUSTING CIRCUIT Invention As the below named inventor, I hereby declare that: [X] The attached application, or This declaration is directed to: [] United States application or PCT international application number ______ filed on _____. The above-identified application was made or 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. In consideration of value received, I sell and assign to Kabushiki Kaisha TOSHIBA business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan , 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. 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

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

Signature

Yuji Satoh

PATENT REEL: 029947 FRAME: 0277

Mar. 1, 2013

Date

Yuli SATOH

Inventor (printed name)

Combined Declaration and Assignment for Utility or Design Application

Title of Invention	OSCILLATION FREQUE	NCY ADJUSTING CIRCUIT	
As the below	w named inventor, I her	eby declare that:	
This declaration [X] The a is directed to:		attached application, or	
	[] United numbe	States application or PCT internation rfiled on	nal application
The above-	identified application wa	s made or authorized to be made by	<i>r</i> me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
In consideration of value received, I sell and assign to <u>Kabushiki Kaisha TOSHIBA</u> , having a business address at <u>1-1, Shibaura 1-chome. Minato-ku. Tokyo 105-8001 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.			
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			
Hiroyı	ıki KOBAYASHI	Hirogukei Kobayashi	Mar. 1, 2013
Invento	or (printed name)	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: 029947 FRAME: 0278