

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tatsuya NISHIWAKI</td> <td>02/21/2013</td> </tr> <tr> <td>Akira YOSHIOKA</td> <td>02/27/2013</td> </tr> <tr> <td>Yasunobu SAITO</td> <td>02/28/2013</td> </tr> <tr> <td>Masatoshi ARAI</td> <td>02/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuya NISHIWAKI	02/21/2013	Akira YOSHIOKA	02/27/2013	Yasunobu SAITO	02/28/2013	Masatoshi ARAI	02/22/2013
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<table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-Chome</td> </tr> <tr> <td>Internal Address:</td> <td>Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-Chome	Internal Address:	Minato-ku	City:	Tokyo	State/Country:	JAPAN
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Application Number:	13780444										
CORRESPONDENCE DATA											
<p>Fax Number: 2123195101  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2123194900        Email: rlevinsohn@hhpatent.com        Correspondent Name: HOLTZ, HOLTZ, GOODMAN &amp; CHICK PC        Address Line 1: 220 Fifth Avenue        Address Line 2: 16TH Floor        Address Line 4: NEW YORK, NEW YORK 10001-7708</p>											
ATTORNEY DOCKET NUMBER:	13159										
NAME OF SUBMITTER:	Ryan Levinsohn										
This document serves as an Oath/Declaration (37 CFR 1.63).											

OP \$40.00 13780444

**Total Attachments: 4**

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**Combined Declaration and Assignment for Utility or Design Application**

Title of Invention	RECTIFIER CIRCUIT	
As the below named inventor, I hereby declare that:		
This declaration is directed to:	<input checked="" type="checkbox"/> The attached application, or <input type="checkbox"/> 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.		
<p>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, 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.</p>		
<p>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.</p>		
<p>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.</p>		
<p>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.</p>		
LEGAL NAME OF INVENTOR		
Tatsuya NISHIWAKI	<i>Tatsuya Nishiwaki</i>	<i>Feb. 21, 2013</i>
Inventor (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

## Combined Declaration and Assignment for Utility or Design Application

<b>Title of Invention</b>	RECTIFIER CIRCUIT	
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to:      <input checked="" type="checkbox"/> The attached application, or</p> <p style="padding-left: 100px;"><input type="checkbox"/> United States application or PCT international application number _____ filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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, 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.</p> <p>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.</p> <p>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.</p> <p>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.</p>		
LEGAL NAME OF INVENTOR		
Akira YOSHIOKA	<i>Akira Yoshioka</i>	Feb. 27, 2013
Inventor (printed name)	Signature	Date

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LEGAL NAME OF INVENTOR		
Yasunobu SAITO	<i>Yasunobu Saito</i>	Feb. 28, 2013
Inventor (printed name)	Signature	Date

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<b>LEGAL NAME OF INVENTOR</b>		
Masatoshi ARAI	<i>Masatoshi Arai</i>	<i>Feb. 22, 2013</i>
Inventor (printed name)	Signature	Date

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