

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Ippei Kashiwagi</td> <td>12/07/2012</td> </tr> <tr> <td>Hiroyuki Hotta</td> <td>12/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ippei Kashiwagi	12/07/2012	Hiroyuki Hotta	12/07/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Kabushiki Kaisha Toshiba</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	Kabushiki Kaisha Toshiba	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13719707</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13719707						
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CORRESPONDENCE DATA											
<p>Fax Number: 4087208383  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (408) 720-8300        Email: susan_mcfarlane@bstz.com        Correspondent Name: BLAKELY SOKOLOFF TAYLOR &amp; ZAFMAN        Address Line 1: 1279 Oakmead Parkway        Address Line 4: Sunnyvale, CALIFORNIA 94085-4040</p>											
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<p>Total Attachments: 2        source=P1635_asgn#page1.tif        source=P1635_asgn#page2.tif</p>											

CH \$40.00 13719707

ASSIGNMENT

3KG062877-USA-A  
(12S0561)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

ANTENNA APPARATUS AND ELECTRONIC DEVICE INCLUDING ANTENNA APPARATUS

have sold and assigned and do hereby sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a Japanese corporation, having a 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 as disclosed, shown and described in said United States patent application:

(check one) ☒ executed concurrently herewith  
☐ executed on ;  
☐ Application No. , filed ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and 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 proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, 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.

I hereby grant the following law firm 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.

Blakely Sokoloff Taylor & Zafman, LLP, attention (Mr. William W. Schaal), 3200 Park Center Drive, Suite 700, Costa Mesa, CA 92626-7149

ASSIGNMENT

3KG062877-USA-A  
(12S0561)

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*Dec. 7, 2012*

Date:

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*Dec. 7, 2012*

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