

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3692303

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOMOKO ADACHI	09/08/2011
KOICHIRO BAN	09/08/2011
TOMOYA TANDAI	09/08/2011
HIDEO KASAMI	09/08/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KABUSHIKI KAISHA TOSHIBA
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-8001
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14993680
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)319-5101
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2123194900
<b>Email:</b>	aplanners@HHPATENT.COM
<b>Correspondent Name:</b>	HOLTZ, HOLTZ & VOLEK PC
<b>Address Line 1:</b>	630 NINTH AVENUE
<b>Address Line 2:</b>	SUITE 1010
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10036-3744
<b>ATTORNEY DOCKET NUMBER:</b>	11343DC
<b>NAME OF SUBMITTER:</b>	ALLYSON PLANDERS
<b>SIGNATURE:</b>	/Allyson Planders/
<b>DATE SIGNED:</b>	01/12/2016
<b>Total Attachments: 2</b>	
source=11343DC_Assign#page1.tif	
source=11343DC_Assign#page2.tif	

ASSIGNMENT

11343/14  
13G055692-USA-A  
(11S0488)

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:

WIRELESS COMMUNICATION 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. 13/223,587 , filed September 1, 2011 ;

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.

Holtz, Holtz, Goodman & Chick PC, 220 Fifth Avenue - 16th Floor, New York, N.Y.  
10001-7708

ASSIGNMENT

13G055692-USA-A  
(11S0488)

[1st Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

*Tomoko Adachi*

Tomoko Adachi

*Sept. 8, 2011*

Date:

[2nd Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

*Koichiro Ban*

Koichiro Ban

*Sept. 8, 2011*

Date:

[3rd Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

*Tomoya Tandai*

Tomoya Tandai

*Sept. 8, 2011*

Date:

[4th Inventor]

Residence Address: Yokohama-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

*Hideo Kasami*

Hideo Kasami

*Sept. 8, 2011*

Date: