## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
MATTHEW WILLIAM WEBB	07/21/2015	
HIDEJI WAKABAYASHI	07/27/2015	

#### **RECEIVING PARTY DATA**

Name:	SONY CORPORATION
Street Address:	1-7-1 Konan, Minato-ku
City:	Tokyo
State/Country:	Japan
Postal Code:	108-0075

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14779251	

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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.

Phone: (703) 413-3000
Email: cgorham@oblon.com
Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	459346US8X PCT
NAME OF SUBMITTER:	CARLA M GORHAM
SIGNATURE:	/Carla M Gorham/
DATE SIGNED:	09/22/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 2** 

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PATENT 503490750 REEL: 036625 FRAME: 0544

#### I-13-023-US-PCT

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

1 tile of invention	TELECOMMUN	ICATIONS APPA	RATUS AN	D METHODS	,
As the below named inve	ntor, I hereby declare that:				<u></u>
This declaration	The attached application, or				
is directed to: U	nited States application or P	CT international appli	cation number		
file	d on				
The above-identified appl	lication was made or authoriz	zed to be made by me.			**
I believe that I am the ori	ginal inventor or an original	joint inventor of a clai	med invention	in the application.	
WHEREAS,	SONY CORPORATIO	N			
desirous of acquiring the	"ASSIGNEE") having place entire right, title and interest inited States and its territoria	in and to said invention	on and in and to	any Letters Pater	
assign and transfer unto territorial possessions and Convention and other re right, title and interest in	for good and valuable consi- said ASSIGNEE, the full ar- d in all foreign countries (inc levant International Treaties a and to any and all Letters d in any and all foreign cou- s thereof.	nd exclusive right to the hading the right to class and Arrangements for Patent which may be	the said inventi im priority und from the afores granted theref	ion in the United or the terms of the said application) after in the United	States and its International and the entire States and its
all foreign countries to is entire right, title and inte- assigns, to the full end of	request the Patent Office Off sue any and all of said Lette rest in and to the same, for t I the term for which said Let I this Assignment and sale no	ers Putent, when grant he sole use and beloo ters Palent may be gr	ted, to said AS of of said ASSI	SIGNEE as the as IGNEE, its (his) st	ssignee of my uccessors and
said invention, and testify renewal and reissue appli- issued to said ASSIGNEI	vill communicate to said ASS y in any legal proceeding, si cations, execute all necessar, B, make all rightful oaths, an to obtain and enforce proper d all foreign countries.	gn all lawful papers, y assignment papers to d, generally do every	execute all divi o cause any and thing possible t	isional, continuation is all of said Letter to aid said ASSIG	on, substitute is Patent to be NEE, its (his)
	that any willful false stateme of more than five (5) years, o		ation is punisha	ble under 18 U.S.C	C. 1001 by
LEGAL NAME OF INVI	NIOR				<del></del> · · · · ·
Inventor:	Matthew William Webb		Date:	12/13/13	
Signature:	Tidl.	*		* ***	

PATENT REEL: 036625 FRAME: 0545 1-13-023-US-PCT

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	TELECOMMUNICATIONS APPARATUS AND METHODS
As the below name	d inventor, I hereby declare that:
This declaration 🗵	The attached application, or
•	United States application or PCT international application number filed on
	ed 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
(hereinaster referre (JP), is desirous of Patent that may be countries;	NY CORPORATION  d to as "ASSIGNEE") having places of business at: 1-7-1 Konan, Minato-ku, Tokyo 108-0075  f acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign
sell, assign and tra- and its territorial po- International Conv- and the entire right States and its territ-	CORE, for good and valuable consideration which is hereby acknowledged, I, by these presents do insfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States assessions and in all foreign countries (including the right to claim priority under the terms of the ention and other relevant International Treaties and Arrangements from the aforesaid application), title and interest in and to any and all Letters Patent which may be granted therefor in the United orial possessions and in any and all foreign countries and in and to any and all divisions, reissues, stitutions and renewals thereof.
any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its id assigns, to the full end of the term for which said Letters Patent may be granted, as fully and e would have been held by me had this Assignment and sale not been made.
respecting said in continuation, substall of said Letters possible to aid said invention in the University	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, litute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything d ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said nited States and its territorial possessions and in any and all foreign countries.
I hereby acknow by fine or imprisor	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME O	FINVENTOR
Inventor: Hideji	TO THE PARTY OF TH
Signature:	idas Wakalaphi

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 036625 FRAME: 0546

**RECORDED: 09/22/2015**