PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5498507

SUBMISSION TYPE: NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRIAN ALEXANDER MARTIN	07/11/2017
YUXIN WEI	03/29/2019
VIVEK SHARMA	03/27/2019

RECEIVING PARTY DATA

Name:	SONY CORPORATION
Street Address:	1-7-1 KONAN,
Internal Address:	MINATO-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-0075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16346127

CORRESPONDENCE DATA

Fax Number:

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: (571) 376-6333

Email: anaquadocketing@Xsensus.com

Correspondent Name: XSENSUS LLP

Address Line 1: 200 DAINGERFIELD ROAD

Address Line 2: SUITE 201

Address Line 4: ALEXANDRIA, VIRGINIA 22314

NAME OF SUBMITTER:	
MANUE OF SODIMITTEM.	TIERNEY FARRELL
SIGNATURE: /	/Tierney Farrell/
DATE SIGNED:	04/30/2019
-	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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1-16-183-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	WIRELESS TELECOMMUNICA APPARATUSES AND METHOL	
As the below name	ed inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	J United States application or PCI filed on	***************************************
The above-identific	ed application was made or authori	zed 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.
(hereinafter referre (JP), is desirous of	acquiring the entire right, title and	ces of business at: <u>I-7-1 Konan, Minato-ku, Tokyo 108-0075</u> interest in and to said invention and in and to any Letters Patent its territorial possessions and in any and all foreign countries;
sell, assign and trai and its territorial po International Conve and the entire right States and its territo	nsfer unto said ASSIGNEE, the fix ossessions and in all foreign count ention and other relevant Internatio , title and interest in and to any and	deration which is hereby acknowledged, I, by these presents do II and exclusive right to the said invention in the United States ries (including the right to claim priority under the terms of the mal Treaties and Arrangements from the aforesaid application) I all Letters Patent which may be granted therefor in the United I foreign countries and in and to any and all divisions, reissues,
and all foreign cour of my entire right, successors and assi	ntries to issue any and all of said L title and interest in and to the sa	ficials in the United States and its territorial possessions and any etters Patent, when granted, to said ASSIGNEE as the assignee me, for the sole use and behoof of said ASSIGNEE, its (his) which said Letters Patent may be granted, as fully and entirely gament and sale not been made.
respecting said in continuation, substall all of said Letters Pa to aid said ASSIGN	vention, and testify in any legal itute, renewal and reissue applicati atent to be issued to said ASSIGNE	ASSIGNEE or its (his) representatives any facts known to me proceeding, sign all lawful papers, execute all divisional, ons, execute all necessary assignment papers to cause any and E, make all rightful oaths, and, generally do everything possible is, to obtain and enforce proper protection for said invention in any and all foreign countries.
	riedge that any willful false statem ment of not more than five (5) year	ent made in this declaration is punishable under 18 U.S.C. 1001 s, or both.
LEGAL NAME OF	INVENTOR	
Inventor: Brian A	Jexander Martin	Date: 11 × TIL9 ~ Lot?
Signature:	1	×

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

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 WIRELESS TELECOMMUNICATIONS APPARATUSES AND METHODS	
As the below named inventor, I hereby declare that:	
This declaration 🎆 The attached application, or	
s directed to: United States application or PCT international application number	
The above-identified application was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, Sony Corporation	
hereinafter referred to as "ASSIGNEE") having places of business at: 1-7-1-Konan, Minato-ku, Tokyo 108-0075 , is lesirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that nay be granted therefore in the United States and its territorial possessions and in any and all foreign countries;	
NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the afterestion) and the entire right, title and interest in and to any and all Letters Patent which may be granted herefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign 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	
EGAL NAME OF INVENTOR	
nventór: Yuxin Wei Date: 27/07/24/3	
Signature: YAM W.C	

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

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

Ittle of Invention	WIRELESS TELECOMMUNICATIONS APPARATUSES AND METHODS
As the below nam	ı ed inventor, I hereby declare that:
This declaration [The attached application, or
is directed to:	United States application or PCT international application number
The above-identifi	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.
WHEREAS, Son	ny Corporation
desirous of acquiri	ed to as "ASSIGNEE") having places of husiness at: 1-7-1-Konan, Minato-ku, Tokyo 108-0075, is ing the entire right, title and interest in and to said invention and in and to any Letters Patent that crefore in the United States and its territorial possessions and in any and all foreign countries;
I, by these presents in the United State under the terms of aforesaid application therefor in the Uni	FORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, and sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention as and its territorial possessions and in all foreign countries (including the right to claim priority the International Convention and other relevant International Treaties and Arrangements from the and the entire right, title and interest in and to any and all Leiters Patent which may be granted ted States and its territorial possessions and in any and all foreign countries and in and to any and tes, continuations, substitutions and renewals thereof.
and all foreign cou of my entire right, and assigns, to the	ze and request the Patent Office Officials in the United States and its territorial possessions and any ntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors full end of the term for which said Letters Patent may be granted, as fully and entirely as the same old by me had this Assignment and sale not been made.
said invention, and substitute, renewal Patent to be issued ASSIGNEE, its suc	that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting directify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, and reissue applications, execute all necessary assignment papers to cause any and all of said Letters I to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said accessors and assigns, to obtain and enforce proper protection for said invention in the United States assessions and in any and all foreign countries.
I hereby acknow by fine or imprison	riedge 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 OF	INVENTOR
Inventor: Vivek Sha	ma Date: 27/07/21/9
Signature: \\\\\\	Ware

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

> PATENT REEL: 049028 FRAME: 0136

RECORDED: 04/30/2019