505218994 12/04/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5265762

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SENSABURO NAKAMURA	10/16/2018
SHUNTA ECHIGOYA	10/23/2018

RECEIVING PARTY DATA

Name:	SONY CORPORATION
Street Address:	1-7-1 KONAN
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1080075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16307075

CORRESPONDENCE DATA

Fax Number: (312)803-4960

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.

Email: docketing@chiplawgroup.com

CHIP LAW GROUP Correspondent Name: Address Line 1: 155 N WACKER DR

Address Line 2: **SUITE 4250**

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER: SP366751US00	
NAME OF SUBMITTER:	PRAMOD CHINTALAPOODI
SIGNATURE: /Pramod Chintalapoodi/	
DATE SIGNED:	12/04/2018

Total Attachments: 2

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> **PATENT REEL: 047670 FRAME: 0395** 505218994

Attorney Backet No.: Sany Ref. No.: SP366751US00

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	MODULE DEVICE AND BROADCAST SYSTEM	
As the below named inventor, I hereby declare that:		
This declarati	The attached aunitoration or	
The shows id	United States application or PCT international application number PCT/JP2017/021037 filed on 2017/06/06 entified application was made or authorized to be made by me.	

	I am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION , with offices at	
1-7-1 KC	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
	interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar on which may be granted therefor in the United States and in any and all foreign countries;	
of which are legal represer in and to any any and all pr Convention 8 adheres, and United States	EFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and dutives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to iority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American lelating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America in any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignce of the whole right, title and interest thereto,	
designee, as remuneration	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ales and countries foreign thereto;	
application for	r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for a foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;	
application, s	r agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will be same in any interference or litigation related thereto;	
And I hereby this assignme	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with int and sale.	
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.	
LEGAL NAN	ME OF INVENTOR	
inventor;	SENSABURO NAKAMURA Date: 2018//0//6	
Signature:	Sensaburo Nakamura	

PATENT REEL: 047670 FRAME: 0396

Attorney Docket No.: Sony Ref. No.: SP366751US00

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 MODULE DEVICE AND BROADCAST SYSTEM		
As the below named inventor, I hereby declare that:		
This declaration		
United States application or PCT international application number PCT/JP2017/021037 filed on 2017/06/06	v	
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. WHEREAS, SONY CORPORATION , with or	fices at	
1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desi	rous of	
acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or legal protection which may be granted therefor in the United States and in any and all foreign countries.	similar	
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and suff of which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assignegal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations there in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be gramed for said invention, and in any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-An Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of A adheres, and to any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;	ns, and of, and and to nerican merica s in the	
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;		
And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any relistue or reissues of any Letters Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;		
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me a testify as to the same in any interference or litigation related thereto:		
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict this assignment and sale:	et with	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprison not more than five (5) years, or both.	nent of	
LEGAL NAME OF INVENTOR		
Inventor: SHUNTA ECHIGOYA Date: 2018/10/23	·············	
Signature: Shutta Echiga To		

RECORDED: 12/04/2018

PATENT REEL: 047670 FRAME: 0397