# 506172226 07/27/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6218964

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	<b>Execution Date</b>
SHINYA MORITA	07/14/2020

#### **RECEIVING PARTY DATA**

Name:	SONY SEMICONDUCTOR SOLUTIONS CORPORATION
Street Address:	4-14-1 ASAHI-CHO
City:	ATSUGI-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	243-0014

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16769589

## **CORRESPONDENCE DATA**

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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.

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Correspondent Name: XSENSUS, LLP

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ATTORNEY DOCKET NUMBER:	14076US01
NAME OF SUBMITTER:	AIKO MATSUSHITA
SIGNATURE:	/Aiko Matsushita/
DATE SIGNED:	07/27/2020

**Total Attachments: 1** 

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PATENT REEL: 053314 FRAME: 0535

506172226

Attorney Docket No.: Sony Ref. No.: SP370684US00

# 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	BUTLER MATRIX CIRCUIT, PHASED ARRAY ANTENNA, FRONT-END MODULE, AND WIRELESS COMMUNICATION TERMINAL
As the below	named inventor, I hereby declare that:
This declarati is directed to:	
	United States application or PCT international application number PCT/JP2018/032973 filed on 2018/09/06
	ntified application was made or authorized to be made by me.
	am the original inventor or an original joint inventor of a claimed invention in the application.  SONY SEMICONDUCTOR SOLUTIONS CORPORATION ahi-cho, Atsuei-shi, Kanaganga, Japan, with offices at
	din-Ciio, Aisugi-shi, Kanagawa Japan
	n which may be granted therefor in the United States and in any and all foreign countries;
in and to any a any and all pric Convention Re adheres, and to United States a Patent to said A	FORE, in consideration of the sum of One Dollar (\$1,00), and other good and valuable consideration, the receipt and sufficiency sereby acknowledged, I by these presents do hereby assign, sell and transfer into said ASSIGNEE, its successors, assigns, and and all Letters Patent of the United States, and countries foreign thereto, including any divisions and continuations thereof, and ority rights and/or convention rights under the International Convention for the Protection of Industrial Property. Inter-American any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents in the ASSIGNEE, as the assignee of the whole right, title and interest thereto;
the United State	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its SIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further n order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of and countries foreign thereto;
raient which ma	igree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters as be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
And I further a application, said testify as to the:	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said I invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will same in any interference or litigation related thereto:
	venant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with
hereby acknow not more than fir	dedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ve (5) years, or both.
EGAL NAME	OF INVENTOR
oventor: SI	HINYA MORITA Date: 2020 / 7 / /4
Signature:	Shinya Morita
·	

PATENT REEL: 053314 FRAME: 0536

**RECORDED: 07/27/2020**