

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5554440

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOMOKI YOSHIMURA	04/16/2019
SHOICHI SUZUKI	04/15/2019
TATSUSHI AIBA	04/19/2019
LIQING LIU	04/15/2019
WATARU OUCHI	04/15/2019
TAKASHI HAYASHI	05/09/2019
KIMIIHIKO IMAMURA	05/14/2019
RECEIVING PARTY DATA	
Name:	SHARP KABUSHIKI KAISHA
Street Address:	1, TAKUMI-CHO, SAKAI-KU
City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522
Name:	FG INNOVATION COMPANY LIMITED
Street Address:	FLAT 2623, 26/F TUEN MUN CENTRAL SQUARE
Internal Address:	22 HOI WING ROAD, TUEN MUN
City:	NEW TERRITORIES
State/Country:	HONG KONG
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16317587
CORRESPONDENCE DATA	
Fax Number:	(571)313-7421
<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>	
Phone:	5713137440
Email:	cdalakuras@kbiplaw.com
Correspondent Name:	KEATING & BENNETT, LLP
Address Line 1:	1800 ALEXANDER BELL DR.
Address Line 2:	SUITE 200

PATENT

Address Line 4: RESTON, VIRGINIA 20191	
ATTORNEY DOCKET NUMBER:	70404.4182/SG
NAME OF SUBMITTER:	CHRISTY DALAKURAS
SIGNATURE:	/PMM/cd/
DATE SIGNED:	06/04/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=70404-4182-Client-20190604-Signed-Declaration_Assignment#page1.tif source=70404-4182-Client-20190604-Signed-Declaration_Assignment#page2.tif source=70404-4182-Client-20190604-Signed-Declaration_Assignment#page3.tif source=70404-4182-Client-20190604-Signed-Declaration_Assignment#page4.tif	

COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

Title	TRANSMISSION APPARATUS, RECEPTION APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT	
As a below named INVENTOR/ASSIGNOR, I hereby declare that:		
This declaration <input type="checkbox"/> The attached application, or		
is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/IP2017/025894</u> filed on <u>July 18, 2017</u>		
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.		
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.		
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.		
WHEREAS, <u>(1) Sharp Kabushiki Kaisha; (2) FG INNOVATION COMPANY LIMITED</u> (hereinafter referred to as "ASSIGNEE") having places of business at: <u>(1) 1, Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan; (2) Flat 2623, 26/F, Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, HONG KONG, China,</u> is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;		
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements.		
ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;		
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.		
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.		
LEGAL NAME OF FIRST INVENTOR/ASSIGNOR		
Inventor:	<u>Tomoki YOSHIMURA</u>	Date: <u>2019/4/16</u>
Signature:	<u>Tomoki Yoshimura</u>	

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: Shoichi SUZUKI	Date: 2019/4/15
Signature: Shoichi Suzuki	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Tatsushi AIBA	Date: 2019/4/19
Signature: Tatsushi Aiba	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: Liqing LIU	Date: 2019/04/15
Signature: Liqing Liu	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: Wataru OUCHI	Date: 2019/04/15
Signature: Wataru Ouchi	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: Takashi HAYASHI	Date:
Signature:	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: Kimihiko MAMURA	Date: 2019/5/14
Signature: Kimihiko Mamura	
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	
Inventor:	Date:
Signature:	

COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

Title	TRANSMISSION APPARATUS, RECEPTION APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT
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As a below named INVENTOR/ASSIGNOR, I hereby declare that:

This declaration ☐ The attached application, or
is directed to: ☒ United States application or PCT international application number PCT/JP2017/025894
filed on July 18, 2017

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.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

WHEREAS, (1) Sharp Kabushiki Kaisha; (2) FG INNOVATION COMPANY LIMITED
(hereinafter referred to as "ASSIGNEE") having places of business at: (1) 1, Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan; (2) Flat 2623, 26/F Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, HONG KONG, China, is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;

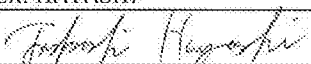
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements.

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ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

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.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	
Inventor: <u>Tomoki YOSHIMURA</u>	Date: _____
Signature: _____	

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: Shoichi SUZUKI	Date: _____
Signature: _____	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Tatsushi AIBA	Date: _____
Signature: _____	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: Liqing LIU	Date: _____
Signature: _____	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: Wataru OUCHI	Date: _____
Signature: _____	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: Takashi HAYASHI	Date: May 9, 2019
Signature: 	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: Kimihiko IMAMURA	Date: _____
Signature: _____	
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	
Inventor: _____	Date: _____
Signature: _____	