505501942 05/31/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5548746

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOMOKI YOSHIMURA	04/16/2019
SHOICHI SUZUKI	04/15/2019
WATARU OUCHI	04/15/2019
LIQING LIU	04/15/2019
KIMIHIKO 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:	16326935

CORRESPONDENCE DATA

Fax Number: (571)313-7421

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: 5713137440

cdalakuras@kbiplaw.com Email: **Correspondent Name: KEATING & BENNETT, LLP** 1800 ALEXANDER BELL DR. Address Line 1:

Address Line 2: SUITE 200

Address Line 4: RESTON, VIRGINIA 20191

> **PATENT** REEL: 049326 FRAME: 0607

505501942

ATTORNEY DOCKET NUMBER:	70404.4276/SG	
NAME OF SUBMITTER:	CHRISTY DALAKURAS	
SIGNATURE:	/PMM/cd/	
DATE SIGNED: 05/30/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

source = 70404-4276-Client-20190528-Signed-Declaration- and-Assignment # page 1. tifsource = 70404-4276-Client-20190528-Signed-Declaration- and-Assignment # page 2. tifsource = 70404-4276-Client-20190528-Signed-Declaration- and-Assignment # page 2. tifsource = 70404-4276-Client-20190528-Signed-Declaration- and Assignment # page 2. tifsource = 70404-4276-Client-20190528-Signed-Declaration- and Assignment # page 3. tifsource = 70404-4276-Client-2

PATENT REEL: 049326 FRAME: 0608

Attorney Docket No. . .

COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

TERMINAL APPARATUS, BASE STATION APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT			
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/jP2017/030965 filed on August 29, 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 Kabushild Kaisha; and (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, Japani (2)Flat 2623, 26/F Tuen Mun Central Square, 22 Holl Wing Road, Tuen Mun, New Territories, HONG KONG, Chipa, 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: Tomoki YOSHIMURA Date: 20/9/4//6			
Signature: Touck Tolimara			

PATENT REEL: 049326 FRAME: 0609

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: Stroich/SUZURI	Date: 2019/4/15
Signature: Alreciti Sugufer	······································
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Wataru OUCHI	Date: 29 (9/04//5
Signature: Vatturu Out Ci	5-
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	1
Inventor: Liging LIU	Date: 20(9/04/15
Signature: Ugdy W	· (
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: Kimihiko IMAMURA	Date: 20/9/5/14
Signature: Mulhow Gun somera	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor:	Date:
Signature:	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor:	Date:
Signature:	
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	
Inventor:	Date:
Signature:	

PATENT REEL: 049326 FRAME: 0610

RECORDED: 05/31/2019