506137925 07/03/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6184652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIQING LIU	06/26/2020
SHOICHI SUZUKI	06/26/2020
WATARU OUCHI	06/26/2020
TOMOKI YOSHIMURA	06/26/2020
TAEWOO LEE	06/26/2020

RECEIVING PARTY DATA

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City:	Sakai City, Osaka
State/Country:	JAPAN
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Name: Street Address:	FG Innovation Company Limited Flat 2623, 26/F Tuen Mun Central Square,22 Hoi Wing Road
	1 3

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16771110

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	US81566
NAME OF SUBMITTER:	CALVIN H CHAI
SIGNATURE:	/Calvin H Chai/

PATENT REEL: 053114 FRAME: 0796

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DATE SIGNED:	07/03/2020
Total Attachments: 6	
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PATENT REEL: 053114 FRAME: 0797

Attorney Docket No.:

COMBINED PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

特許出願宣言付き譲渡書(37 CFR 1.63)

私は下記に記載の発明者/譲渡人として)	As a below named INVENTOR/ASSIGNOR of the patent application entitled: TERMINAL APPARATUS, BASE STATION
本宣帝行き譲渡書は以下に関します。	APPARATUS, AND COMMUNICATION METHOD And which is:
□ 添付の出額、または○ 2018年 12 月 13 日に出職された米湯出額あるいは PCT 国際出額番号 PCT/JP2018/045909	The attached application, or ☐ United States Application or PCT International Application Number PCT/JP2018/045909 filed on December 13, 2018.
上記に明示された出願は私が作成した、または作成を許可したものである事をここに宣言します。	I declare that: The above identified application was made or was authorized to be made by me.

私は、私が本出網内で請求されている発明の最初の憂明者。 または最初の共同発明者であると信じます。

私は本宣営付き譲渡書の提出に関わる出願の内容を検討し、 理解しています。

私は37 CFR 1.56に定義される特許性に肝要な私の知るすべ ての情報について当局に開示する義務があることを認識して います。

本書以降で譲渡人と呼ばれる上記に署名した発明者は、上記 で特定される本出額に記載する特定の発明をしているため、 また、

(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 40 (1) Sharp Kabushiki Kaisha; (2) FG INNOVATION COMPANY LIMITED (38 受人)は本出願および本発明に対する全ての権利、権原。 および利益、ならびに当該出願および発明に対して得られ る米国内、およびすべての外国で交付される特許証の取得 を希望しているため、

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor(s) hereinafter called ASSIGNOR(S), have invented certain inventions described in the application identified above; and

Whereas. (1) Sharp Kabushiki Kaisha; (2) FG INNOVATION COMPANY LIMITED of (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, (ASSIGNEE(S)), desires to acquire the entire right. title, and interest in the application and invention, and any

Letters Patent that may be granted therefore in the United States and in any and all foreign countries;

継受人から譲渡人への1下ル(\$1.00)の支払いおよびその他の有価約切に基づき、その受額をここに確認したうえで

譲渡人は、譲受人、その後継者および継承人に対して、すべての分割出額および裁議出額を含めて、アメリカ合衆国の本 出額およびそこに開示された発明に対する全ての権利。権原 および利益(その後の改正を含む協定の下、又はその他の関係する国際条約および国際協定の下でのすべての権利を含む)。ならびに同出額および発明に対して交付された米国特許証およびその全ての再発行を売却、譲渡および移転します。

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譲渡人は、譲受人から依頼があった場合、譲渡人が知り凝覧 できる、当該出願、発明、および特許証にかかわる適切な事 実および資料を譲受人に提供し、譲受人が必要とみなすすべ ての資料に追加の対値を得ることなく署名し、これに関連す るいかなる干渉および訴訟において証言することに同意しま す。

私は本質質付き譲渡者において放きになされた一切の虚偽の 陳述が 18 USC 1001 に基づき割金あるいは 5 年以下の拘禁ま たは両方による処罰にあたることに同意します。

本宣言付き譲渡書は、対応する英文の譲渡書及び宣言書の正確な翻訳文です。

In consideration of the payment by ASSIGNEE(S) to ASSIGNOR(S) of the sum of One Dollar (\$1.00) and for other valuable consideration, receipt thereof is hereby acknowledged,

ASSIGNOR(S) sell, assign, and transfer to ASSIGNEE(S), its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including all rights under the Paris Convention as amended, or other relevant International Treaties and Arrangements.

ASSIGNOR(S) covenant(s) 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(S) agree(s), when called upon to do so by the ASSIGNEE(S), to provide ASSIGNEE(S) with all pertinent facts and documents relating to the application, the invention, and the Letters Patent as may be known and accessible to ASSIGNOR(S); to sign without further consideration all papers deemed necessary by the ASSIGNEE(S); and to testify as to the same in any interference or litigation related thereto.

I acknowledge that any willful false statement made in this combined declaration/assignment is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

The combined declaration/assignment is an accurate translation of the corresponding English language assignment and declaration.

Inventor: 発明者:	Liging UU	Date: E (f):	June 26, 2020
Signature: 署名:	liging tu		
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LEGAL NAME OF S 第2の発明者/譲	ECOND INVENTOR/ASSIGNOR I接人你正式玩名	······································	
Inventor: 発明者:	Shoichi SUZUKI	Date: 科付:	June 26, 2020
Signature 왕왕:	Shachi Buzuhi	<u> </u>	
	HIRD INVENTOR/ASSIGNOR 渡入の正式氏名		
nventor: €8月香:	Wataru OUCHI	Date: 日 付:	June 26, 2020
Signature: 業家。	Andrew West La		

•	FOURTH INVENTOR/ASSIGNOR		
第4の発明者/8	養護人の正式氏名		
Inventor:		Date	June 26, 2020
是明者:	Tomoki YOSHIMURA	8份:	
Signature. 著名。	Truck Folimerson		
LEGAL NAME OF	FIFTH INVENTOR/ASSIGNOR		
第5四種明香/富	繁護人の正式氏名		
Inventor:		Oate:	
発明者:	Taewoo LEE	8 ft:	
Signature:		Denoced Total 11 contest to the contest of the cont	
署 名:			

Attorney Docket No.:

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私は37 CPR 1.56 に定義される特許性に肝要な私の知るすべ

ての情報について当局に関示する義務があることを認識して

います。

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	FRST INVENTOR/ASSIGNOR 養族人の正式氏名		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Inventor:	38.885 (AV 2019 - 40.24 AV 201	No.	
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松明者:	Liqing LIU		00.0
Signature:			
署名:			
	SECOND INVENTOR/ASSIGNOR		
第2の発明者/高	養護人の正式氏名		
Inventor:		Date.	
発明者:	Shoichí SUZUKI		
Signature:			
署名:			
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LEGAL NAME OF	THIRD INVENTOR/ASSIGNOR		
	複数人の正式氏名		
	State Service Control of the Control	₩	
Inventor:	50A-00 <u>1</u> 250A-20000	Date	
発明者:	Wataru OUCHI		······································
Signature:			
署名:			

第4の発明者/譲	渡人の正式氏名		
Inventor:		Date:	
発明者:	Tomoki YOSHIMURA	耳特:	
Signature: 業名			
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