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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT5658281

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YUDAI KAWASAKI | 06/20/2019 |
| MASAFUMI ARAMOTO | 06/21/2019 |
| RECEIVING PARTY DATA | |
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| City: | Sakai City, Osaka |
| State/Country: | JAPAN |
| Name: | FG Innovation Company Limited |
| Street Address: | Flat 2623, 26/F Tuen Mun Central Square,22 Hoi Wing Road |
| City: | Tuen Mun, New Territories |
| State/Country: | HONG KONG |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16484424 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | KELVIN LIU |
| SIGNATURE: | /Kelvin Liu/ |
| DATE SIGNED: | 08/07/2019 |
| Total Attachments: 2 | |
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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, CORE NETWORK APPARATUS,
AND COMMUNICATION CONTROL METHOD]

[TERMINAL APPARATUS, CORE NETWORK APPARATUS,
AND COMMUNICATION CONTROL METHOD]

本宣言付き譲渡書は以下に関します。

And which is:

添付の出願、または
 2018 年 2 月 5 日に 出願された米国出願
あるいは PCT 国際出願番号 PCT/JP2018/003779

The attached application, or
 United States Application or PCT International Application
Number PCT/JP2018/003779 filed on February 5, 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、私が本出願内で請求されている発明の最初の発明者、または最初の共同発明者であると信じます。

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

私は本宣言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。

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

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。

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.

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願に記載する特定の発明をしているため、また、

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

(1) 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan の Sharp Kabushiki Kaisha, (2) Flat 2623, 26/F Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, HK, China の FG Innovation Company Limited (譲受人) 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、

Whereas, (1) Sharp Kabushiki Kaisha of 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan, (2) FG Innovation Company Limited of Flat 2623, 26/F Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, HK, 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;

譲受人から譲渡人への1ドル(\$1.00)の支払いおよびその他の有価約因に基づき、その受領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、すべての分譲出願および継続出願を含めて、アメリカ合衆国の本出願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）、ならびに同出願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。

譲渡人は、本譲渡書および販売に抵触する譲渡、販売、契約および債務の成立および締結が行われないことを契約します。

譲渡人は、譲受人から依頼があった場合、譲渡人が知り得ることができる、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価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。

私は本宣誓付き譲渡書において故意になされた一切の虚偽の陳述が18 USC 1001に基づき罰金あるいは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。

本宣誓付き譲渡書は、対応する英文の譲渡書及び宣誓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.

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| LEGAL NAME OF FIRST INVENTOR/ASSIGNOR 第1の発明者/譲渡人の正式氏名 | |
| Inventor: 発明者: <u>Yudai KAWASAKI</u> | Date: 日付: <u>June 20, 2019</u> |
| Signature: 署名: <u>Yudai Kawasaki</u> | |

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|---|-----------------------------------|
| LEGAL NAME OF SECOND INVENTOR/ASSIGNOR 第2の発明者/譲渡人の正式氏名 | |
| Inventor: 発明者: <u>Masafumi ARAMOTO</u> | Date: 日付: <u>June 21, 2019</u> |
| Signature: 署名: <u>Masafumi Aramoto</u> | |

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| LEGAL NAME OF THIRD INVENTOR/ASSIGNOR 第3の発明者/譲渡人の正式氏名 | |
| Inventor: 発明者: _____ | Date: 日付: _____ |
| Signature: 署名: _____ | |