PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| KOTARO FUJIMORI | 09/10/2019 |
| YOSHIHIRO KATO | 09/10/2019 |
| YUKO YOSHIDA | 09/11/2019 |

RECEIVING PARTY DATA

| Name: | SONY MOBILE COMMUNICATIONS INC. | |
|-------------------|---------------------------------|--|
| Street Address: | 4-12-3, HIGASHI-SHINAGAWA, | |
| Internal Address: | SHINAGAWA-KU, | |
| City: | TOKYO | |
| State/Country: | JAPAN | |
| Postal Code: | 1400002 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 16495834 | |

CORRESPONDENCE DATA

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Address Line 2: SUITE 201

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 13046US01 |
|-------------------------|--|
| NAME OF SUBMITTER: | TIERNEY FARRELL |
| SIGNATURE: | /Tierney Farrell/ |
| DATE SIGNED: | 09/20/2019 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3

PATENT REEL: 050439 FRAME: 0248

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> PATENT REEL: 050439 FRAME: 0249

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 | ELECTRONIC COMPONENT | | |
|---|--|--|--|
| As the below name | d inventor, I hereby declare that: | | |
| This declaration <a>\bullet\$ | The attached application, or | | |
| is directed to: | United States application or PCT international application number PCT/JP2018/005040 filed on February 14, 2018 | | |
| The above-identifie | ed application was made or authorized to be made by me. | | |
| I believe that I am t | the original inventor or an original joint inventor of a claimed invention in the application. | | |
| | IY MOBILE COMMUNICATIONS INC. | | |
| desirous of acquiri | d to as "ASSIGNEE") having places of business at: 4-12-3, Higashi-Shinagawa, Shinagawa-ku, Tokyo, JP 140-0002, is ng the entire right, title and interest in and to said invention and in and to any Letters Patent that refore in the United States and its territorial possessions and in any and all foreign countries; | | |
| NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | | | |
| I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | | | |
| Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | | |
| | vieldge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both. | | |
| LEGAL NAME OF | FINVENTOR | | |
| Inventor: Kotaro Fu | Date: September 10, 2019 | | |
| Signature: | 聚新光太郎 | | |

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

> PATENT REEL: 050439 FRAME: 0250

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 | ELECTRONIC COMPONENT | | | | | |
|---|--|--|--|--|--|--|
| As the below name | d inventor, I hereby declare that: | | | | | |
| This declaration [| The attached application, or | | | | | |
| is directed to: | is directed to: United States application or PCT international application number FCT/JP2018/005040 filed on February 14, 2018 | | | | | |
| The above-identific | ed 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. | | | | | |
| | IY MOBILE COMMUNICATIONS INC. | | | | | |
| (hereinafter referred to as "ASSIGNEE") having places of business at: 4-12-3, Higashi-Shinagawa, Shinagawa-ku, Tokyo, JP 140-0002, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; | | | | | | |
| NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | | | | | | |
| I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | | | | | | |
| Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | | | | | |
| | vledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both. | | | | | |
| LEGAL NAME O | FINVENTOR | | | | | |
| Inventor: Yoshihiro | Kato Date: September 10. 2019 | | | | | |
| Signature: | Yoshihira Kato | | | | | |

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

> PATENT REEL: 050439 FRAME: 0251

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 | ELECTRONIC COMPONENT | | | | | |
|---|--|-------------|----------|------------------------------|--|--|
| As the below name | d inventor, I hereby declare that: | | | | | |
| This declaration | The attached application, or | | | | | |
| is directed to: | is directed to: United States application or PCT international application number PCT/JP2018/005040 filed on February 14, 2018 | | | | | |
| The above-identifie | ed application was made or authorized to be made by | me. | | | | |
| I believe that I am t | the original inventor or an original joint inventor of a | claimed in | ventio | n in the application. | | |
| | NY MOBILE COMMUNICATIONS INC. | | | | | |
| desirous of acquiri | d to as "ASSIGNEE") having places of business at: ng the entire right, title and interest in and to said in refore in the United States and its territorial possession | vention an | ıd in an | d to any Letters Patent that | | |
| NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | | | | | | |
| I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | | | | | | |
| Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | | | | | |
| | vledge that any willful false statement made in this de iment of not more than five (5) years, or both. | claration i | s punis | hable under 18 U.S.C. 1001 | | |
| LEGAL NAME O | FINVENTOR | | | | | |
| Inventor: Yuko Yos | ihida | Date: _ | 9/ | 11/2019 | | |
| Signature: 4 | uko Yoshida | | | | | |

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

> PATENT REEL: 050439 FRAME: 0252

RECORDED: 09/20/2019