PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2637798

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| YASUYUKI TANAKA | 11/23/2013 |
| MITSURU KANDA | 11/27/2013 |
| SEIJIRO YONEYAMA | 11/23/2013 |
| YOSHIKI TERASHIMA | 11/25/2013 |

RECEIVING PARTY DATA

| Name: | KABUSHIKI KAISHA TOSHIBA |
|-----------------|----------------------------------|
| Street Address: | 1-1, SHIBAURA 1-CHOME, MINATO-KU |
| City: | токуо |
| State/Country: | JAPAN |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14088626 |

CORRESPONDENCE DATA

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 mkassaye@oblon.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: OBLON, SPIVAK, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 425630US20RD |
|-----------------------------------|--------------------------|
| NAME OF SUBMITTER: MESFIN KASSAYE | |
| Signature: | /Mesfin Kassaye/ |
| Date: | 12/05/2013 PATENT |

502591597 REEL: 031721 FRAME: 0436

P \$40.00 14088626

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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Toshiba's Ref: 13G064669USA-A

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 | COMMINICATION DEVICE COMMINICATION A COMMINICATION A |
|---|--|
| Invention | COMMUNICATION DEVICE, COMMUNICATION METHOD AND COMPUTER PROGRAM |
| | |
| | nventor, I hereby declare that: |
| This declaration T | he attached application, or |
| is directed to: □Un | ited States application or PCT international application number |
| " | led on |
| | 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. |
| WHEREAS, KABUSHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEB" having a place of business at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan 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, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, 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 (his) 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 (his) 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 (his) 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. | |
| 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 INVENTOR | |
| Inventor: Yasuyuki TANAKA Date: | |
| Signature: Yashbulci Tawalon | |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Toshiba's Ref: 13G064669USA-A

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 | COMMUNICATION DEVICE, COMMUNICATION METHOD AND COMPUTER PROGRAM |
|---|---|
| As the below named in | iventor, I hereby declare that: |
| is directed to: Un | ne attached application, or ited States application numbereled one |
| The above-identified a | pplication 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. |
| WHEREAS, <u>KABU</u> having a place of bus entire right, title and in | SHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") iness at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan is desirous of acquiring the atterest in and to said invention and in and to any Letters Patent that may be granted therefore dits territorial possessions and in any and all foreign countries; |
| said ASSIGNEE, the f and in all foreign coun other relevant Internati interest in and to any | RE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby other good and valuable consideration, I, by these presents do sell, assign and transfer unto all and exclusive right to the said invention in the United States and its territorial possessions tries (including the right to claim priority under the terms of the International Convention and tonal Treaties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial y and all foreign countries and in and to any and all divisions, reissues, continuations, rais thereof. |
| any and an noreign co assignee of my entire r (his) successors and as | and request the Patent Office Officials in the United States and its territorial possessions and untries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ight, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its signs, to the full end of the term for which said Letters Patent may be granted, as fully and uld have been held by me had this Assignment and sale not been made. |
| continuation, substitute all of said Letters Pate possible to aid said As | It will communicate to said ASSIGNEE or its (his) representatives any facts known to me ion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, renewal and reissue applications, execute all necessary assignment papers to cause any and ent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything SIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said States and its territorial possessions and in any and all foreign countries. |
| root by tine or impriso | ge that any willful false statement made in this declaration is punishable under 18 U.S.C. nment of not more than five (5) years, or both. |
| LEGAL NAME OF IN | VENTOR |
| nventor: <u>Mitsuru KAN</u> Signature: | DA Date: <u>Nov. 27, 201</u> 3 |
| | |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

<u> Toshiba's Ref: 13G064669USA-A</u>

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 | COLD ADVICE MINOR MANAGEMENT |
|---|---|
| Invention | COMMUNICATION DEVICE, COMMUNICATION METHOD AND COMPUTER PROGRAM |
| As the below named is | nventor, I hereby declare that: |
| is directed to: □Un | he attached application, or ited States application numberled on |
| The above-identified a | 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. |
| WHEREAS, <u>KABU</u> having a place of bus entire right, title and it | ISHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") iness at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan is desirous of acquiring the nterest in and to said invention and in and to any Letters Patent that may be granted therefore d its territorial possessions and in any and all foreign countries; |
| NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, 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. | |
| any and an foreign co assignee of my entire i (his) successors and as | and request the Patent Office Officials in the United States and its territorial possessions and untries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its signs, to the full end of the term for which said Letters Patent may be granted, as fully and ould have been held by me had this Assignment and sale not been made. |
| continuation, substitute all of said Letters Pate possible to aid said A | t I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, a renewal and reissue applications, execute all necessary assignment papers to cause any and ent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything SSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said States and its territorial possessions and in any and all foreign countries. |
| toot by thie or imprisc | ge that any willful false statement made in this declaration is punishable under 18 U.S.C. mment of not more than five (5) years, or both. |
| LEGAL NAME OF IN | |
| nventor: <u>Seijiro YONF</u> | Date: Nov. 23, 2013 |
| Signature: | Seijiro yoneyana |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

Toshiba's Ref: 13G064669USA-A

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| Invention | COMMUNICATION DEVICE, COMMUNICATION METHOD AND COMPUTER PROGRAM |
|---|--|
| As the below named in | nventor, I hereby declare that: |
| This declaration The attached application, or is directed to: United States application or PCT international application number filed on | |
| The above-identified a | 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. |
| WHEREAS, <u>KABUSHIKI KAISHA TOSHIBA</u> (hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan 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, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, 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 (his) 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 (his) 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 (his) 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. | |
| 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 IT | NYENTOR |
| Inventor: Yoshiki TEF | RASHIMA Date: Nav. 25, 20 3 |
| Signature: | shiki Terashima |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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PATENT REEL: 031721 FRAME: 0441

RECORDED: 12/05/2013