PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| NOBUAKI SUZUKI | 08/23/2019 |
| TAKASHI DOI | 08/28/2019 |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16556448 |

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| NAME OF SUBMITTER: | BROOKE O. FREDRICK |
| SIGNATURE: | /Brooke O. Fredrick/ |
| DATE SIGNED: | 08/30/2019 |

Total Attachments: 2

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PATENT 505648649 REEL: 050220 FRAME: 0295

| Attorney | Customer No 22850 | 13G10023529-US-A | (1980168) |
|----------|-------------------|------------------|-----------|
| | | | |

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 | ELECTRONIC DEVICE |
|--|--|
| As the below n | named inventor, I hereby declare that: |
| This declaratio | |
| is directed to: | United States application or PCT international application number filed on(If any). |
| The above-ider | ntified 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. |
| business at: 1- right, title and | KABUSHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") having places of 1. Shibaura 1-chome, Minato-ku, Tokyo 105-0023, Japan, is desirous of acquiring the entire interest in and to said invention and in and to any Letters Patent that may be granted therefore in the and its territorial possessions and in any and all foreign countries; |
| acknowledged, said ASSIGNI possessions an Convention an entire right, titl and its territor | REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto EE, the full and exclusive right to the said invention in the United States and its territorial d in all foreign countries (including the right to claim priority under the terms of the International dother relevant International Treaties and Arrangements from the aforesaid application) and the le and interest in and to any and all Letters Patent which may be granted therefor in the United States ial possessions and in any and all foreign countries and in and to any and all divisions, reissues, substitutions and renewals thereof. |
| any and all for assignee of my (his) successor | horize and request the Patent Office Officials in the United States and its territorial possessions and reign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the rentire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and 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. | |
| 1001 by fine o | knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. r imprisonment of not more than five (5) years, or both. E OF INVENTOR |
| Inventor:] | Nobuaki Suzuki Date: Qay, 23, 23(9 |
| Signature: | Nobrah' Louli |

Attorney Customer No 22850 13G10023529-US-A (19S0168)

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 | ELECTRONIC DEVICE |
|---|--|
| Invention | |
| As the below n | amed inventor, I hereby declare that: |
| This declaratio | |
| is directed to: | United States application or PCT international application number |
| | filed on(If any). |
| The above-ider | ntified 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. |
| business at: 1- right, title and | ABUSHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") having places of 1, Shibaura 1-chome, Minato-ku, Tokyo 105-0023, Japan, is desirous of acquiring the entire interest in and to said invention and in and to any Letters Patent that may be granted therefore in the nd its territorial possessions and in any and all foreign countries; |
| acknowledged, said ASSIGNI possessions and Convention an entire right, title and its territori | REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto EE, the full and exclusive right to the said invention in the United States and its territorial d in all foreign countries (including the right to claim priority under the terms of the International d other relevant International Treaties and Arrangements from the aforesaid application) and the e and interest in and to any and all Letters Patent which may be granted therefor in the United States all possessions and in any and all foreign countries and in and to any and all divisions, reissues, substitutions and renewals thereof. |
| any and all for assignee of my (his) successors | norize and request the Patent Office Officials in the United States and its territorial possessions and eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its s and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and same would have been held by me had this Assignment and sale not been made. |
| respecting said continuation, st and all of said a possible to aid invention in the | ree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, abstitute, renewal and reissue applications, execute all necessary assignment papers to cause any Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said a United States and its territorial possessions and in any and all foreign countries. |
| I hereby ack | nowledge 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 | FOF INVENTOR |
| Inventor: | Pakashi Doi (Pate: |
| Signature: | afeash Dec |

PATENT REEL: 050220 FRAME: 0297

RECORDED: 08/30/2019