03/12/2020 505964286

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6010993

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| TUAN THANH TA | 03/10/2020 |
| AKIHIDE SAI | 03/09/2020 |
| HIDENORI OKUNI | 03/10/2020 |
| TOSHIKI SUGIMOTO | 03/09/2020 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16816690 |

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

Phone: (703) 413-3000 Email: mbelrose@oblon.com

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

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 529246US |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | MEREDITH BELROSE |
| SIGNATURE: | /Meredith Belrose/ |
| DATE SIGNED: | 03/12/2020 |

Total Attachments: 4

source=Assignment529246US#page1.tif source=Assignment529246US#page2.tif source=Assignment529246US#page3.tif source=Assignment529246US#page4.tif

| As the below named inventor, 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 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: <u>1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan</u> 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: Tuan Thanh TA Date: 10th, March 7020 Signature: 78dm | |

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

| Title of | LIGHT DETECTION APPARATUS AND ELECTRONIC DEVICE |
|---|--|
| Invention | |
| As the below named inv | entor, I hereby declare that: |
| This declaration ☑ The | attached application, or |
| is directed to: | ted States application or PCT international application number |
| filed | i on |
| The above-identified app | olication was made or authorized to be made by me. |
| I believe that I am the or | iginal inventor or an original joint inventor of a claimed invention in the application. |
| business at: 1-1, Shibatinterest in and to said in | HIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") having a place of ura 1-Chome, Minato-Ku, Tokyo, Japan is desirous of acquiring the entire right, title and vention and in and to any Letters Patent that may be granted therefore in the United States ions 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 all foreign cour assignee of my entire rig (his) successors and assi | d request the Patent Office Officials in the United States and its territorial possessions and atries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the lit, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its gns, to the full end of the term for which said Letters Patent may be granted, as fully and Id 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. | |
| | e that any willful false statement made in this declaration is punishable under 18 U.S.C. ment of not more than five (5) years, or both. |
| LEGAL NAME OF INV | ENTOR |
| Inventor: Akihide SAI | Date: 2020 |
| Signature: 2 | Bihille dar |

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

| Title of Invention | LIGHT DETECTION APPARATUS AND ELECTRONIC DEVICE |
|---|---|
| As the below named inve | ntor, I hereby declare that: |
| This declaration ☑ The a is directed to: ☐ Unite filed | d States application or PCT international application number |
| The above-identified appl | ication was made or authorized to be made by me. |
| I believe that I am the original | ginal inventor or an original joint inventor of a claimed invention in the application. |
| business at: 1-1, Shibau interest in and to said inv | IKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") having a place of ra 1-Chome. Minato-Ku. Tokyo, Japan is desirous of acquiring the entire right, title and ention and in and to any Letters Patent that may be granted therefore in the United States ons and in any and all foreign countries; |
| acknowledged, and for ot said ASSIGNEE, the full and in all foreign countrie other relevant Internations interest in and to any and | in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby her good and valuable consideration, I, by these presents do sell, assign and transfer unto and exclusive right to the said invention in the United States and its territorial possessions is (including the right to claim priority under the terms of the International Convention and all Treaties and Arrangements from the aforesaid application) and the entire right, title and all Letters Patent which may be granted therefor in the United States and its territorial and all foreign countries and in and to any and all divisions, reissues, continuations, a thereof. |
| any and all foreign count assignee of my entire righ (his) successors and assig | request the Patent Office Officials in the United States and its territorial possessions and ries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the it, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its ns, to the full end of the term for which said Letters Patent may be granted, as fully and I have been held by me had this Assignment and sale not been made. |
| respecting said invention continuation, substitute, re all of said Letters Patent possible to aid said ASSI | will communicate to said ASSIGNEE or its (his) representatives any facts known to me, and testify in any legal proceeding, sign all lawful papers, execute all divisional, enewal and reissue applications, execute all necessary assignment papers to cause any and to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything GNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ates and its territorial possessions and in any and all foreign countries. |
| | that any willful false statement made in this declaration is punishable under 18 U.S.C. tent of not more than five (5) years, or both. |
| LEGAL NAME OF INVE | NTOR |
| Inventor: <u>Hidenori OKUN</u> Signature: <i>Widen</i> U | |

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

| Title of | LIGHT DETECTION APPARATUS AND ELECTRONIC DEVICE |
|---|---|
| Invention | |
| As the below named inve | entor, I hereby declare that: |
| This declaration 🗹 The | attached application, or |
| | ed States application or PCT international application number |
| filed | |
| | lication was made or authorized to be made by me. |
| • | ginal 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: <u>1-1</u> , <u>Shibaura 1-Chome</u> , <u>Minato-Ku</u> , <u>Tokyo</u> , <u>Japan</u> 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. | |
| any and all foreign coun assignee of my entire rigi (his) successors and assign | I request the Patent Office Officials in the United States and its territorial possessions and tries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ht, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its gas, to the full end of the term for which said Letters Patent may be granted, as fully and d 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 INVI | ENTOR |
| Inventor: <u>Toshiki SUGIN</u> | |
| Signature: #3 | 车人发表 |

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

PATENT REEL: 052097 FRAME: 0405

RECORDED: 03/12/2020