504264211 03/09/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4310891

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| DAISUKE KOSUGI | | 03/01/2017 |
| | | |

RECEIVING PARTY DATA

| Name: | TOSHIBA LIGHTING & TECHNOLOGY CORPORATION | |
|-----------------|---|--|
| Street Address: | 1-201-1, FUNAKOSHI-CHO | |
| City: | YOKOSUKA-SHI, KANAGAWA-KEN | |
| State/Country: | JAPAN | |
| Postal Code: | 237-8510 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15454037 |

CORRESPONDENCE DATA

| Fax Number: | umber: (202)824-3001 | |
|--|---|----------------------|
| 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: | (202) 824-3000 | |
| Email: | bwptopat@bannerwitcoff.com, jrivera@bannerwitcoff.com | |
| Correspondent Name: | BANN | IER & WITCOFF, LTD. |
| Address Line 1: | ress Line 1: 1100 13TH ST. NW | |
| Address Line 2: | Iress Line 2: STE 1200 | |
| Address Line 4: | ddress Line 4: WASHINGTON, D.C. 20005 | |
| ATTORNEY DOCKET NUMBER: | | 032847.00123 |
| NAME OF SUBMITTER: | | GARY D. FEDOROCHKO |
| SIGNATURE: | | /Gary D. Fedorochko/ |
| DATE SIGNED: | | 03/09/2017 |
| Total Attachments: 4 | | |
| source=Assignment#page1.tif | | |
| ource=Assignment#page2.tif | | |
| ource=Assignment#page3.tif | | |
| purce=Assignment#page4.tif | | |

Attorney Docket No. Applicant Docket No. **TLG2016528US**

| COMBINED PATENT DECLARATION AND ASSIGNMENT | | | | | |
|---|---|--|--|--|--|
| 発明の名称 TITLE OF INVENTION: | VEHICLE LIGHTING DEVICE AND VEHICLE LAMP | | | | |
| DECLARATION | | | | | |
| 下記発明者である私は、つぎの As a below named inventor, I | | | | | |
| 本宣誓は * This declaration is directed to: | 添付されている、あるいは ⊠ The attached application, or | | | | |
| | ※国出願、あるいはに出願されたPCT国際出顧番号 → として出願されているものに宛てられています。 United States application or PCT international application numberfiled on | | | | |
| 上記の出願は私自身、あるいは私が権限を授与したものによって行われたものです。 The above-identified application was made or authorized to be made by me. | | | | | |
| 私は本出願書中にあらわれるもともとの発明者、あるいはもともとの共同発明者です。 ・ I believe that I am the original inventor or an original joint inventor of a daimed invention in the application. | | | | | |
| 本宣誓書において故意に虚偽の申し立てを行った場合は18 U.S.C. 1001 により、罰金あるいは最高五(5)年の禁固刑、あるいはその両方による罰則の対象となることを認めます。 ・ 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. | | | | | |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ASSIGNMENT | | | | |
| WHEREAS, I, as a below named | Inventor/Assignor, have invented the above invention. | | | | |
| | & Technology Corporation, a corporation, and having its offices and a place of i-cho. Yokosuka-shi, Kanagawa, Janan, is desirous of acquiring the entire right title | | | | |

WHEREAS, Toshiba Lighting & Technology Corporation, a corporation, and having its offices and a place of business at 1-201-1, Funakoshi-cho, Yokosuka-shi, Kanagawa, Japan, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:

NOW, THEREFORE, TO WHOMITMAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the Inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all

Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.

PATENT REEL: 041522 FRAME: 0617

Attorney Docket No. Applicant Docket No. TLG2016528

Lagree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

| INVENTOR/ASSIGNOR: | |
|--|---------------------|
| Legal Name: Daisuke KOSUGI | Citizenship: Japan |
| Residence (City, State, Province): Kanagawa-ken, Japan | |
| signature: Davisuke Kosugi | 2017. 3. 1 Date: |

Attorney Docket No. Applicant Docket No. TLG2016528US

| 発明の名称 TITLE OF INVENTIO | N: VI | EHICLE LIGHTING DEVICE AND VEHICLE LAMP |
|---|-------------------|---|
| | | DECLARATION |
| 下記発明者である私は、 As a below named invento | | |
| 本宣誓は * This declaration is directed to: | \boxtimes | 添付されている、あるいは The attached application, or |
| | Ģ | 米国出願、あるいはに出願されたPCT国際出願番号 として出願されているものに宛てられています。 United States application or PCT international application numberfiled on |
| | | いは私が権限を授与したものによって行われたものです。 lication was made or authorized to be made by me. |
| | | るもともとの発明者、あるいはもともとの共同発明者です。 nal inventor or an original joint inventor of a claimed invention in the application. |
| の禁固刑、あるい * I hereby acknowled | まその両 ge that a | 2偽の申し立てを行った場合は18 U.S.C. 1001 により、罰金あるいは最高五(5)年 i方による罰則の対象となることを認めます。 ny willful false statement made in this declaration is punishable under 18 U.S.C. : of not more than five (5) years, or both. |
| *************************************** | ****** | ASSIGNMENT |
| | | entor/Assignor, have invented the above invention. |

business at 1-201-1, Funakoshi-cho, Yokosuka-shi, Kanagawa, Japan, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto: NOW, THEREFORE, TO WHOMITMAY CONCERN, be it known that, for good and valuable consideration, including

NOW, THEREFORE, TO WHOMITMAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the

entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment.

PATENT REEL: 041522 FRAME: 0619

Attorney Docket No. Applicant Docket No. TLG2016528

I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

| | 00000000000000000000000000000000000000 |
|--|--|
| INVENTOR/ASSIGNOR: | |
| Legal Name: Atsushi HEIKE | Citizenship: Japan |
| Residence (City, State, Province): Kanagawa-ken, Japan | |
| signature: Atsushi) Leike | 2017. 3. 1 Date: |

RECORDED: 03/09/2017