PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Alberto Zanotto | 08/12/2013 |
| Dina Pasqualini | 08/12/2013 |

RECEIVING PARTY DATA

| Name: | OSRAM GmbH |
|-----------------|--------------------------|
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| State/Country: | FEDERAL REPUBLIC GERMANY |
| Postal Code: | 80807 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13906452 |

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| ATTORNEY DOCKET NUMBER: | P53656US |
|-------------------------|-------------------------------|
| NAME OF SUBMITTER: | Karl J. Kolbinger |
| Signature: | /Karl Kolbinger, Reg.# 41124/ |
| Date: | 09/02/2013 |
| | PATENT |

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Total Attachments: 4

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> PATENT REEL: 031132 FRAME: 0481

Docket No. P53656US

U.S. Patent Appl. No.: 13/906,452

Filing Date: May 31, 2013

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

1. Assignor: Alberto ZANOTTO

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2. Assignor: Dina PASQUALINI

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Assignee:
OSRAM GmbH
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Germany

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "LIGHTING MODULE AND CORRESPONDING INTEGRATED LIGHTING DEVICE" for which:

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U.S. Patent Appl. No.: 13/906,452

Docket No. P53656US

Filing Date: May 31, 2013

| a ii | on-provisional application for United States Letters Patent; |
|-------------|---|
| | was executed on even date preparatory to filing (each inventor should sign thin |
| | Assignment on the same day as he/she signs the Declaration and Power of |
| | Attorney); or |
| \boxtimes | was filed on May 31, 2013 and accorded U.S. Serial No. 13/906,452; or |
| | will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby |
| | authorizes and requests ASSIGNEE'S legal representatives, the attorneys |
| | associated with Customer No, to insert below in this document this |
| | APPLICATION's U.S. Serial Number and filing date, when known: |
| | U.S. Serial No. |
| | filed on |

WHEREAS, ASSIGNEE (listed above), a corporation of the Federal Republic of Germany is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said invention and improvements, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise,

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ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore

<u> 18/2013</u> Date

Name 1st Inventor: Alberto ZANOTTO

U.S. Patent Appl. No.: 13/906,452

Filing Date: May 31, 2013

Docket No. P53656US

<u>イス/*08* / ィラ</u> Date

Name 2ndInventor: Dina PASQUALINI

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PATENT REEL: 031132 FRAME: 0485

RECORDED: 09/02/2013