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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 |
|------------------------|----------------|
| FARHANG GHASEMI AFSHAR | 04/04/2018 |

RECEIVING PARTY DATA

| Name: | OSRAM GMBH |
|---|------------|
| Street Address: MARCEL-BREUER-STRASSE 6 | |
| City: | MUENCHEN |
| State/Country: | GERMANY |
| Postal Code: | 80807 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15949119 |

CORRESPONDENCE DATA

Fax Number: (617)849-5451

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.

Email: patint@vjp.de

Correspondent Name: VIERING, JENTSCHURA & PARTNER MBB

Address Line 1: C/O 444 BRICKELL AVENUE

Address Line 2: **SUITE 51270**

Address Line 4: MIAMI, FLORIDA 33131

| ATTORNEY DOCKET NUMBER: | P70781US |
|-------------------------|-------------------------------------|
| NAME OF SUBMITTER: | BENJEMAN L. NICHOLS |
| SIGNATURE: | /Benjeman L. Nichols, Reg.# 74,693/ |
| DATE SIGNED: | 04/11/2018 |

Total Attachments: 3

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> **PATENT REEL: 045499 FRAME: 0590** 504862436

U.S. Patent Appl. No.: Not Assigned Yet Docket No. P70781US

Filing Date: Concurrently herewith

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

1st Assignor: Farhang Ghasemi Afshar

Citizenship: Iranian / German Residence: Wenzenbach, Germany Post Office Address: Brandlbergstr. 60

93173 Wenzenbach

Assignee: OSRAM GmbH Marcel-Breuer-Strasse 6 80807 Muenchen

Germany

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"LIGHT EMITTING ASSEMBLY AND METHOD FOR OPERATING A LIGHT

EMITTING ASSEMBLY for which:

| នក | on-provisional application for United States Letters Patent: |
|----|---|
| | was executed on even date preparatory to filing (each inventor should sign this |
| | Assignment on the same day as he/she signs the Declaration and Power of |
| | Attorney); or |
| | was filed on and accorded U.S. Serial No; 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: |

Page 1 of 3

U.S. Patent Appl. No.: Not Assigned Yet Docket No. P70781US

Filing Date: Concurrently herewith

| 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. said invention, application and all letters patent on said invention to be held and enjoyed by 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

> PATENT REEL: 045499 FRAME: 0592

U.S. Patent Appl. No.: Not Assigned Yet Docket No. P70781US

Filing Date: Concurrently herewith

4.4.2018 Date

Name 1st Inventor: Farhang Ghasemi Afshar