

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
OSRAM OPTO SEMICONDUCTORS GMBH	12/11/2018
RECEIVING PARTY DATA	
Name:	OSRAM OLED GMBH
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PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	8637857
Patent Number:	8859110
Patent Number:	9458482
Application Number:	13504725
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SIGNATURE:	/William K. Merkel/
DATE SIGNED:	02/08/2019
Total Attachments: 2	
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ASSIGNMENT

U.S. Patent No. 8,637,857 Issued: January 28, 2014

U.S. Patent No. 8,859,110 Issued: October 14, 2014

U.S. Patent No. 9,458,182 Issued: October 4, 2016

U.S. Patent Application No. 13/504,725 Filed: April 27, 2012

This assignment agreement ("Assignment"), effective as of Dec. 18, 2018,
("Effective Date"), is by and between OSRAM OPTO SEMICONDUCTORS GmbH
("Assignor") and OSRAM OLED GmbH, Wernerwerkstr. 2, Regensburg, Germany, 93049
("Assignee").

For good and valuable consideration, the receipt and sufficiency of which are agreed, Assignor hereby irrevocably sells, assigns and transfers to Assignee and its successors, assigns and legal representatives, Assignor's entire right, title and interest, both legal and equitable, in the U.S. patents and U.S. patent application listed above, and to the inventions described therein and improvements thereof, all related patent applications throughout the world including those claiming priority thereto anywhere in the world, the right of priority, including without limitation to claim priority benefit of or to said patent applications, all continuations, divisionals and continuations-in-part of any of the foregoing, patents issuing from any of the foregoing, and reissues, reexaminations, extensions and foreign equivalents thereof and supplementary protection certificates allowed on any of the foregoing (collectively the "Patent Rights") for Assignee's own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all income, royalties, damages or payments due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Patent Rights, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives.

Upon the request of Assignee, the undersigned agrees to execute any and all documents and take actions reasonably requested to effectuate this assignment and Assignee's

rights in the Patent Rights, including any oath or affidavit relating thereto, to cooperate to the best of the ability of the undersigned with Assignee in preparing and executing statements and giving and producing evidence in support of the Patent Rights, and to perform any and all acts reasonably requested by Assignee to obtain, enforce and defend the Patent Rights and vest all rights therein to Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment had not been executed.

The parties execute and deliver this Assignment by their respective authorized signatories below.

OSRAM OPTO SEMICONDUCTORS GmbH

Signature:

[Signature] *i.V. Gelschmidt*

Name:

Nikolaus Gmeinwieser Andreas Gelschmidt
Senior Manager Senior Manager
Intellectual Property Intellectual Property

Title:

Date:

11. DEZ. 2018

OSRAM OLED GmbH,

Signature:

[Signature] *[Signature]*

Name:

Werner Stahl Anke Flügel
CEO

Title:

COO OLED GmbH

Date:

20.12.18