505616461 08/12/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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SÖREN SOFKE	06/28/2019
PHILIPP GERLACH	07/17/2019
SUSANNE WEIDENFELD	06/28/2019
RICO SROWIK	06/28/2019

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16525147

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PATENT REEL: 050022 FRAME: 0244

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NAME OF SUBMITTER:	MICHAEL D. BECK	
SIGNATURE:	/Michael D. Beck/	
DATE SIGNED:	08/12/2019	
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ASSIGNMENT

Pursuant to our obligation to Robert Bosch GmbH & Koninklijke Philips N.V. (hereinafter referred to as "Assignee"), a German Company and a Netherlands Company having mailing addresses at:

Robert Bosch GmbH Wernerstrasse 1 70469 Stuttgart GERMAY

Koninklijke Philips N.V. High Tech Campus 5 5656 AE Eindhoven NETHERLANDS

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,

we:

WOLF, Robert Am Flössertgraben 7 01109 Dresden GERMANY

SOFKE, Sören Provenceweg 8 72072 Tübingen GERMANY

GERLACH, Philipp Edith-Stein-Ring 24 89081 Ulm GERMANY

WEIDENFELD, Susanne Hohenneuffenweg 10 73235 Weilheim GERMANY

SROWIK, Rico Waldstrasse 20g 01445 Radebeul GERMANY

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, my entire right, title and interest -

(1) in and to an invention entitled "A METHOD AND APPARATUS FOR MONITORING THE OPTICAL OUTPUT POWER OF A LASER DIODE WITH AN ASSOCIATED PHOTODIODE AND PARTICLE SENSOR DEVICE" for which we have executed a United States patent application, said United States application being assigned Serial No. 16/525,147, filed on July 29, 2019 claiming priority to German Application No. DE 10 2018 212 687.9, filed on July 30, 2018.

- (2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), reissue applications, and international patent applications designating the United States) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; and
- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any

expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

Robert Wolf

Dute une 28, 2019

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Sören Sorke

Date 2019-06-27

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MMB Docker No. 2198-0056 ISARPATENT REF., P45973-438

Dune 177.

Philipp Gerlach

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Date 28 06,2019

Susanne Weidenfeld

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Mario Stand Date July 28, 2019
Rico Srowik