

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WOLFGANG FREUDE	04/20/2020
CHRISTIAN KOOS	04/20/2020
MATTHIAS LAUERMANN	04/23/2020
SANDEEP UMMETHALA	04/23/2020
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16760046
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SIGNATURE:	/Erik R. Swanson/
DATE SIGNED:	04/29/2020
Total Attachments: 3	
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source=817577_executed_Assignment#page2.tif	

ASSIGNMENT

I, Wolfgang Freude, residing at Schoellbronner Strasse 52; 76199 Karlsruhe;
GERMANY; and

I, Christian Koos, residing at Ringstrasse 17; 74936 Siegelsbach; GERMANY; and

I, Matthias Lauermann, residing at Panoramastrasse 3; 74632 Neuenstein;
GERMANY; and

I, Sandeep Ummethala, residing at Werderstrasse 89; 76137 Karlsruhe; GERMANY;

and each of us, if more than one person is identified above, have invented and have owned or
do own a whole or partial right, title and interest in a certain invention entitled:

WAVEGUIDE COMPONENT

for which invention International Application No. PCT/EP2018/000486 was filed on October
24, 2018, designating the U.S. and

WHEREAS,

Karlsruher Institut fuer Technologie

having an address at Kaiserstrasse 12; 76131 Karlsruhe, GERMANY;

hereinafter referred to as Assignee, was and/or is desirous of acquiring the entire domestic and
foreign right, title, and interest in and under the invention described in the above patent
application.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of
which are hereby acknowledged, I/we have assigned or hereby do assign and transfer to the
Assignee and the Assignee's legal representatives, successors and assigns my/our full and
exclusive rights in and to the invention in the U.S. and every foreign country and my/our entire
right, title, and interest in and to the patent application and other such applications (e.g.,
provisional applications, non-provisional applications, continuations, continuations-in-part,

divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

UPON SAID CONSIDERATION, I/we have conveyed or hereby do convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

I/WE DO HEREBY COVENANT and agree with the Assignee that I/we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I/we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date 20 April 2020

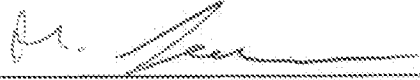
Wolfgang Freude
Wolfgang Freude, Inventor

Date 20. April 2020

Christian Koos
Christian Koos, Inventor

Date

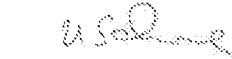
April 23, 2020



Matthias Lauermann, Inventor

Date

April 23, 2020



Sandeep Ummethala, Inventor