PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDGAR SCHMIDHAMMER	10/18/2017

RECEIVING PARTY DATA

Name:	EPCOS AG
Street Address:	ST.-MARTIN-STR. 53
City:	MUNICH
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16323216

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NAME OF SUBMITTER:	STEVEN E. ROBERTS
SIGNATURE:	/Steven E. ROBERTS/
DATE SIGNED:	05/01/2019

Total Attachments: 2
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ASSIGNMENT

WHEREAS, I,

1.   **Edgar SCHMIDHAMMER**, a citizen of **Germany,**

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to **RECONFIGURABLE MICROACOUSTIC FILTER AND DUPLEXER COMPRISING A RECONFIGURABLE MICROACOUSTIC FILTER** (collectively the "INVENTIONS") for which I have executed and/or may execute one or more patent applications therefor; and

WHEREAS, **EPCOS AG** (hereinafter "**ASSIGNEE**"), a company incorporated under the laws of Germany with its place of business at St.-Martin-Str. 53, 81669 Munich, Germany, desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I do hereby acknowledge that I have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States, or under International Conventions, Treaties, or Agreements, including but not limited to International Patent Cooperation Treaty Application No. **PCT/US2017/045535**, filed **08/04/2017**, Reference No. **172240WO**, and all applications relating thereto, together with German Patent Application No. **102016114662.5**, filed **08/08/2016**, Reference No. **172240DE**, and divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND I further do acknowledge and agree that I have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or
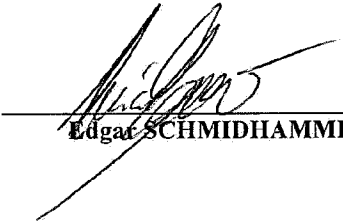
may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND I DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND I DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which I may be entitled, or that I may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND I HEREBY agree that I will perform those acts reasonably requested by ASSIGNEE which are required to record the transfer of rights in said INVENTIONS to ASSIGNEE throughout the world, including signing all lawful papers, applications, certificates, declarations and/or oaths.

Done at _Münich_, on _18.10.2017_ ___Edgar SCHMIDHAMMER___
    LOCATION   DATE