

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	QUALCOMM TECHNOLOGIES NETHERLANDS B.V.	05/20/2019
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	Property Type	Number
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Total Attachments: 5		
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ASSIGNMENT

This Patent Assignment ("Patent Assignment") is made by **Qualcomm Technologies Netherlands B.V.**, a corporation organized under the laws of the Netherlands, having its principal place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A., (hereinafter "ASSIGNOR") to **RF360 Europe GmbH**, a Qualcomm-TDK Joint Venture duly organized under the laws of Germany and having its address at Anzinger Strasse 13, 81671 Munich, Germany (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNOR desires to sell, assign and transfer to ASSIGNEE the Invention Disclosures, as defined below in this Patent Assignment.

WHEREAS, ASSIGNOR has agreed, subject to the terms and conditions of this Assignment, to assign, transfer, and sell to ASSIGNEE all right, title, and interest in, to and under: (i) all inventions, discoveries, and improvements claimed or described in Exhibit 1; (ii) any patent applications which may hereafter be filed based on the inventions, discoveries, and improvements claimed or described in Exhibit 1, including without limitation all provisional and priority applications relating thereto; (iii) all patents issuing on or from any patent applications which may be filed based on the inventions, discoveries, and improvements claimed or described in Exhibit 1; and (iv) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to any of the foregoing items in (i), (ii) or (iii) above, along with all patents issuing therefrom (subsections (i), (ii), (iii), and (iv) hereinafter collectively referred to as the "Transferred IP"); and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. Assignment of Transferred IP. ASSIGNOR does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, all right, title and interest throughout the world in, to and under the Transferred IP, including without limitation all foreign patents and any and all rights of priority under international conventions, treaties or agreements based on or relating to the Transferred IP.

2. Patent Offices Recordation. ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, the German Patent and Trademark Office and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to record ASSIGNEE as the assignee and owner of the Transferred IP and to issue all patents for the Transferred IP to and in the name of ASSIGNEE, its successors, legal representatives and assigns, as the assignee to the entire interest therein, in accordance with the terms of this Patent Assignment.

3. Assignment of Enforcement Rights. ASSIGNOR hereby assigns, transfers, conveys and delivers to ASSIGNEE, its successors, legal representatives and assigns, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from the Transferred IP or any infringement or violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Transferred IP, and all other rights, including common law rights, that ASSIGNOR may have relating to the Transferred IP, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Transferred IP or from any settlement or agreement related to the Transferred IP arising before or after the

date of this Patent Assignment, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.

4. Representations and Further Assurances. ASSIGNOR hereby represents that it has full right, power and authority to sell, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby agrees that upon the written request of ASSIGNEE and without further compensation, ASSIGNOR shall execute, acknowledge, and deliver all the instruments and documents and shall take all the actions reasonably necessary or required by law to consummate and make fully effective the transaction contemplated by this Patent Assignment and will communicate promptly to ASSIGNEE all facts known to ASSIGNOR respecting the Transferred IP, and will sign all lawful papers, transfer all file histories, make diligent effort to find or reach every inventor of the Transferred IP necessary or appropriate in connection with preparation of any lawful document or proceeding relating to the Transferred IP, make reasonable efforts to obtain all necessary or appropriate signed and executed documents relating to the Transferred IP from every inventor named in the Transferred IP, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE to obtain patent protection for the Transferred IP on a worldwide basis in all countries and for perfecting, recording, or maintaining the title of ASSIGNEE in and to the Transferred IP in the United States and throughout the world.

5. Severability. If any provision in this Patent Assignment is held to be invalid or unenforceable in whole or in part (the "Invalid Provision"), the remaining portions of such provision (if any) and the other provisions in this Patent Assignment will remain in full force and effect, and the Invalid Provision will remain in effect to the maximum extent allowed by law.

6. Successors and Assigns. This Patent Assignment and all the provisions hereof shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and permitted assigns. ~~Nothing herein, express or implied, shall give or be construed to give to any person, other than the parties hereto and such permitted assigns, any legal or equitable rights hereunder.~~

7. Counterparts. This Patent Assignment may be executed in multiple consecutive counterparts (including by facsimile), each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. This Patent Assignment shall become effective when each party has signed one or more counterparts and delivered them (by facsimile or otherwise) to the other party.

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IN WITNESS WHEREOF, I hereunto set my hand to this Patent Assignment this 20th day of May, 2019.

Qualcomm Technologies Netherlands B.V.

By: 

Printed Name: Peter H. Rauber

Title: Director

IN WITNESS WHEREOF, acknowledged and accepted on this 24th day of May,
2019.

RF360 Europe GmbH

By: [Signature]
Printed Name: Eichhorn
Title: Director

RF360 Europe GmbH

By: [Signature]
Printed Name: Meister
Title: Staff Engineer

Exhibit 1

Patent Applications

Qualcomm Reference No.	Inventor	German Application No.	Filing Date	Title
174497DE	Roland HEIJNA	102018106030.0	March 15, 2018	CONSTANT INPUT IMPEDANCE TX (SAW) FILTER, MINIMUM CIRCLE SIZE
174500DE	Roland HEIJNA	102018106029.7	March 15, 2018	ADJUSTABLE CONSTANT GAIN FILTER SYSTEM
174506DE	Roland HEIJNA	102018106028.9	March 15, 2018	TRANSLATION OF INPUT CAPACITY TO ADDITIONAL RX ISOLATION
174507DE	Roland HEIJNA	102018102832.6	February 8, 2018	FILTER CIRCUIT WITH A NOTCH FILTER
174509DE	Roland HEIJNA	102018102014.7	January 30, 2018	ADDITIONAL RX AND HARMONIC SUPPRESSION

Invention Disclosures

Qualcomm Reference No.	Inventor	Invention Title	Submission Date	Brief Description
174498IDF	Roland HEIJNA	CONSTANT INPUT IMPEDANCE TX (SAW) FILTER	May 17, 2017	Constant input impedance TX (SAW) Filter + PA-matching, minimum circle size loadline
174499IDF	Roland HEIJNA	TX (SAW) FILTER FOR A CONSTANT GAIN	May 17, 2017	TX (SAW) Filter for a constant gain
174501IDF	Roland HEIJNA	MINIMUM RIPPLE TX (SAW) FILTER	May 17, 2017	Minimum ripple TX (SAW) Filter + PA matching
174502IDF	Roland HEIJNA	MORE BANDWIDTH IN A TX (SAW)	May 17, 2017	More bandwidth in a TX (SAW) Filter + PA-matching
174503IDF	Roland HEIJNA	TX (SAW) FILTER	May 17, 2017	TX (SAW) Filter + PA-matching suitable for more power
174504IDF	Roland HEIJNA	MORE SUPPRESSION BAD BAND IN A (SAW) TX FILTER	May 17, 2017	More suppression bad band in a (SAW) TX Filter + PA-matching
174505IDF	Roland HEIJNA	TX (SAW) FILTER	May 17, 2017	TX (SAW) Filter + PA-matching with less harmonics

End of Exhibit 1