

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chengjie Zuo	03/25/2011
Chi Shun Lo	02/24/2011
Sanghoon Joo	02/25/2011
Changhan Yun	02/24/2011
Jonghae Kim	02/24/2011
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
Internal Address:	Patent Department
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1714
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13241356
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	QUALCOMM Incorporated
Address Line 1:	5775 Morehouse Drive
Address Line 2:	Patent Department
Address Line 4:	San Diego, CALIFORNIA 92121-1714
ATTORNEY DOCKET NUMBER:	102547

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PATENT
REEL: 026954 FRAME: 0811

NAME OF SUBMITTER:

Sam Talpalatsky

Total Attachments: 4

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We/I,

1. Chengjie Zuo, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.
2. Chi Shun Lo, a citizen of United Kingdom, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.
3. Sanghoon Joo, a citizen of Korea, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.
4. Changhan Yun, a citizen of United States, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.
5. Jonghae Kim, a citizen of United States, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **Piezoelectric Resonator Having Combined Thickness and Width Vibrational Modes** by me devised and the application for United States Patent therefore filed in the United States Patent

ASSIGNMENT

and Trademark Office on September 23, 2011, and assigned Serial No. 13/241,350, (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number and date in the space provided above when known), including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 25 day of March, 2011.



Chengjie Zuo

Done at San Diego, California this _____ day of _____, 2011.

Chi Shun Lo

Done at Sunnyvale, California this 25th day of February, 2011.



Sanghoon Joo

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and Trademark Office on _____, and assigned Serial No. _____, (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number and date in the space provided above when known), including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this _____ day of _____, 2011.

Chengjie Zuo

Done at San Diego, California this 24th day of February, 2011.

Chi Shun Lo

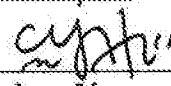
Chi Shun Lo

Done at San Diego, California this _____ day of _____, 2011.

Sanghoon Joo

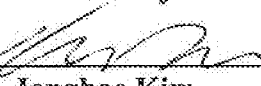
ASSIGNMENT

Done at San Diego, California this 24th day of February, 2011.



Changhan Yun

Done at San Diego, California this 24th day of February, 2011.



Jonghae Kim