

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Rajagopalan Rangarajan	07/17/2009
Chinmaya Mishra	07/07/2009
<b>RECEIVING PARTY DATA</b>	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12486607
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-845-2505
Email:	us-docketing@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DR.
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	090039
NAME OF SUBMITTER:	Christine Molla
<p>Total Attachments: 4</p> <p>source=090039-Assignment-9-02-09#page1.tif</p> <p>source=090039-Assignment-9-02-09#page2.tif</p> <p>source=090039-Assignment-9-02-09#page3.tif</p>	

CH \$40.00 12486607

**500953328**

**PATENT**  
**REEL: 023186 FRAME: 0222**



## 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,

1. **Rajagopalan Rangarajan**, a citizen of **India**, having a mailing address of **5775 Morehouse Drive, San Diego, CA, 92121-1714, US**; and a resident of **San Diego, CA**; and

2. **Chinmaya Mishra**, a citizen of **India**, having a mailing address of **5775 Morehouse Drive, San Diego, CA, 92121-1714, US**; and a resident of **San Diego, CA**,

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 **CONFIGURABLE WIDE TUNING RANGE OSCILLATOR CORE** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **June 17, 2009**, and assigned Serial Number **12/486,607**, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof (in the United States and any foreign county), and all divisionals, 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 we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us 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.

## ASSIGNMENT

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 17 day of July, 2009.

  
\_\_\_\_\_  
RAJAGOPALAN RANGARAJAN

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
CHINMAYA MISHRA

## 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,

1. **Rajagopalan Rangarajan**, a citizen of **India**, having a mailing address of **5775 Morehouse Drive, San Diego, CA, 92121-1714, US**; and a resident of **San Diego, CA**; and
2. **Chinmaya Mishra**, a citizen of **India**, having a mailing address of **5775 Morehouse Drive, San Diego, CA, 92121-1714, US**; and a resident of **San Diego, CA**,

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 **CONFIGURABLE WIDE TUNING RANGE OSCILLATOR CORE** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **June 17, 2009**, and assigned Serial Number **12/486,607**, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof (in the United States and any foreign county), and all divisionals, 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 we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us 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.

## ASSIGNMENT

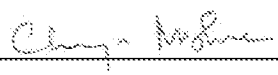
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

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RAJAGOPALAN RANGARAJAN

Done at San Diego, California this 7<sup>th</sup> day of July, 2009.

  
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CHINMAYA MISHRA