### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Nathan Edward Tenny	06/23/2010
Parag Arun Agashe	06/23/2010
Peter Gaal	07/08/2010
Tingfang Ji	06/24/2010
Ravi Palanki	06/23/2010

#### **RECEIVING PARTY DATA**

Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1714

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12818064

#### **CORRESPONDENCE DATA**

(858)658-2502 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

(858) 651-5205 Phone:

Email: usdocketing@qualcomm.com Correspondent Name: QUALCOMM Incorporated Address Line 1: 5775 Morehouse Drive

Address Line 4: San Diego, CALIFORNIA 92121-1714

ATTORNEY DOCKET NUMBER:	092546
NAME OF SUBMITTER:	Denise Miles

**PATENT** 501251095 **REEL: 024779 FRAME: 0778** 

## **Total Attachments: 24** source=092546\_2010-07-09\_ASST\_Signed#page1.tif source=092546\_2010-07-09\_ASST\_Signed#page2.tif source=092546\_2010-07-09\_ASST\_Signed#page3.tif source=092546\_2010-07-09\_ASST\_Signed#page4.tif source=092546\_2010-07-09\_ASST\_Signed#page5.tif source=092546 2010-07-09 ASST Signed#page6.tif source=092546\_2010-07-09\_ASST\_Signed#page7.tif source=092546\_2010-07-09\_ASST\_Signed#page8.tif source=092546 2010-07-09 ASST Signed#page9.tif source=092546\_2010-07-09\_ASST\_Signed#page10.tif source=092546\_2010-07-09\_ASST\_Signed#page11.tif source=092546\_2010-07-09\_ASST\_Signed#page12.tif source=092546 2010-07-09 ASST Signed#page13.tif source=092546\_2010-07-09\_ASST\_Signed#page14.tif source=092546\_2010-07-09\_ASST\_Signed#page15.tif source=092546\_2010-07-09\_ASST\_Signed#page16.tif source=092546 2010-07-09 ASST Signed#page17.tif source=092546\_2010-07-09\_ASST\_Signed#page18.tif source=092546\_2010-07-09\_ASST\_Signed#page19.tif source=092546\_2010-07-09\_ASST\_Signed#page20.tif source=092546 2010-07-09 ASST Signed#page21.tif source=092546\_2010-07-09\_ASST\_Signed#page22.tif source=092546\_2010-07-09\_ASST\_Signed#page23.tif source=092546\_2010-07-09\_ASST\_Signed#page24.tif

Docket No.092546 Page 1 of 4

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TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which

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a resident of Poway, California, United States of America,

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of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a

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3. Peter Gaal, a citizen of the United States of America, having a mailing address of 5775

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4, Tingfang Ji, a citizen of China, having a mailing address of 5775 Morehouse Drive, San

Diego, California, 92121, United States of America; and a resident of San Diego, California,

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5. Ravi Palanki, a citizen of India, having a mailing address of 5775 Morehouse Drive, San

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PATENT

REEL: 024779 FRAME: 0780

United States of America,

6. Rajat Prakash, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of La Jolla, California, United States of America.

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 METHOD APPARATUS THAT FACILITATES A TIMING ALIGNMENT IN MULTICARRIER SYSTEM by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on June 17, 2010, and assigned Serial No. 12/818,064, including Provisional Application Number 61/218,769, filed on June 19, 2009, and Provisional Application Number 61/294,053, filed on January 11, 2010, and Provisional Application Number 61/305,014, filed on February 16, 2010, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, 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 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.

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 June	2010
	<u> </u>	Nathan Edward Tenny
Done at San Diego, California this	day of	, 2010.
	·	Parag Arun Agashe
Done at San Diego, California this	_day of	_, 2010.
		Peter Gaal
Done at San Diego, California this	_day of	, 2010.
	<del>(************************************</del>	Tingfang Ji
Done at San Diego, California this	_day of	, 2010.
		Ravi Palanki

Done at San Diego, California this	day of	, 2010.	
		Rajat Prakash	

PATENT Docket No.092546 Page 1 of 4

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REEL: 024779 FRAME: 0784

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Done at San Diego, California this \_\_\_\_\_\_ day of \_\_\_\_\_\_\_, 2010.

Done at San Diego, California this 23 day of June, 2010.

Parag Arun Agashe

Nathan Edward Tenny

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Peter Gaal

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Tingfang Ji

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Ravi Palanki

Done at San Diego, California this	day of	, 2010.	
		Rajat Prakash	

PATENT Docket No.092546 Page 1 of 4

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Done at San Diego, California this	day	of	, 2010.
			Ravi Palanki

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·	Nathan Edward Tenny
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Done at San Diego, California this day of	2010
Done at our Diego, Camorna ans day or	_, 2010.
	Peter Gaal
Done at San Diego, California this day of Jack	, 2010.
	Tingfang Ji
	Imgiang Ji
Done at San Diego, California this day of	<b>_</b> 2010.

**PATENT REEL: 024779 FRAME: 0794** 

Ravi Palanki

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Assignment	t.								
Done at Sar	n Diego, C	alifornia t	his	day	of		, 2010.		
				-			Nathan Edward	Tenny	
Done at Sar	n Diego, C	alifornia t	his	day	of		_, 2010.		
				-			Parag Arun Aga	ashe	
Done at San	Diego, C	alifornia t	his	day	of		, 2010.		
				J			Peter Gaal		
Done at San	Diego, C	alifornia tl	his	day	of		, 2010.		
				:			Tingfang Ji	ana akan kalendara sa sa Malandarika ana arawa ara	
Done at San	Diego, C	alifornia tl	nis <u>23</u>	day	of <u></u>	Alberton Marie	, 2010.		
							P. Ran		

PATENT REEL: 024779 FRAME: 0798

Ravi Palanki

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<b>→</b>	
	Ravi Palanki

Done at San Diego, California this 23 day of	<u>Juse</u> , 2010.
	Regard Product
	Rajat Prakash

PATENT REEL: 024779 FRAME: 0803

**RECORDED: 08/03/2010**