

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the serial number 11528307 on Assignment transmittal to correct #11528139 (see Assignment) previously recorded on Reel 018662 Frame 0379. Assignor(s) hereby confirms the Electronic Transmittal and Assignment.

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------|----------------|
| Vijayalakshmi R. Raveendran | 11/16/2006 |
| Gordon Kent Walker | 11/17/2006 |
| Tao Tian | 11/13/2006 |
| Phanikumar Bhamidipati | 11/14/2006 |
| Fang Shi | 11/13/2006 |
| Peisong Chen | 11/17/2006 |
| Sitaraman Ganapathy Subramania | 11/14/2006 |
| Seyfullah Halit Oguz | 11/14/2006 |

RECEIVING PARTY DATA

| | |
|-------------------|--|
| Name: | QUALCOMM Incorporated |
| Street Address: | 5775 Morehouse Drive |
| Internal Address: | Patent Department/Central Administration |
| City: | San Diego |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11528139 |

CORRESPONDENCE DATA

Fax Number: (858)658-2502

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

Phone: 858 845-4265

Email: us-docketing@qualcomm.com

Correspondent Name: QUALCOMM Incorporated

PATENT

500560365

REEL: 021062 FRAME: 0326

CH \$40.00 11528139

Address Line 1: 5775 Morehouse Drive
Address Line 2: Patent Department/Central Administration
Address Line 4: San Diego, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:

051002U3

NAME OF SUBMITTER:

Marion Comer De Yoe

Total Attachments: 11

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PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

12/20/2006
 500197251

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------|----------------|
| Vijayalakshmi R. Raveendran | 11/16/2006 |
| Gordon Kent Walker | 11/17/2006 |
| Tao Tian | 11/13/2006 |
| Phanikumar Bhamidipati | 11/14/2006 |
| Fang Shi | 11/13/2006 |
| Poisong Chen | 11/17/2006 |
| Sitaraman Ganapathy Subramania | 11/14/2006 |
| Seyfullah Halit Oguz | 11/14/2006 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11528307 |

CORRESPONDENCE DATA

Fax Number: (858)845-2550
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 858-556-5787
 Email: ddean@qualcomm.com
 Correspondent Name: Deborah Dean
 Address Line 1: 5775 Morehouse Drive
 Address Line 4: San Diego, CALIFORNIA 92121

CH 546.00 11528307

| | |
|---|----------------|
| ATTORNEY DOCKET NUMBER: | 051002U3 |
| NAME OF SUBMITTER: | Ross L. Franks |
| <p>Total Attachments: 9</p> <p>source=051002U4_Assignment#page1.tif</p> <p>source=051002U4_Assignment#page2.tif</p> <p>source=051002U4_Assignment#page3.tif</p> <p>source=051002U4_Assignment#page4.tif</p> <p>source=051002U4_Assignment#page5.tif</p> <p>source=051002U4_Assignment#page6.tif</p> <p>source=051002U4_Assignment#page7.tif</p> <p>source=051002U4_Assignment#page8.tif</p> <p>source=051002U4_Assignment#page9.tif</p> | |

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 **VIJAYALAKSHMI R. RAVEENDRAN**, a citizen of India having a place of residence at 4272 Calle Mar De Ballenas, San Diego, CA 92130, and **GORDON KENT WALKER**, a citizen of the United States of America having a place of residence at 14484 Huntington Gate Drive, Poway, CA 92064; **TAO TIAN**, a citizen of China, P.R., having a place of residence at 8680 New Salem Street, Unit 145, San Diego, CA 92126, **PHANIKUMAR BHAMIDIPATI**, a citizen of India having a place of residence at 9645 Genesee Avenue, Unit II, San Diego, CA 92121, **FANG SHI**, a citizen of Canada having a place of residence at 4460 Calle Mar De Armonia, San Diego, CA 92130, **PEISONG CHEN**, a citizen of China P.R. having a place of residence at 10859 Caminito Alvarez, San Diego, CA 92126, **SITARAMAN GANAPATHY SUBRAMANIA**, a citizen of India having a place of residence at 9364 Hillery Drive, Unit 2204, San Diego, CA 92126, **SEYFULLAH HALIT OGUZ**, a citizen of Turkey having a place of residence at 5240 Fiore Terrace, Unit 417, San Diego, CA 92122; 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 whole right, title and interest in and to a certain invention relating to:

**METHODS AND DEVICE FOR DATA ALIGNMENT WITH
TIME DOMAIN BOUNDARY**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on September 26, 2006, and assigned Serial No. 11/528,139, including, without limitation, all provisional patent applications, Serial No. 60/721,416, filed September 27, 2005, Serial No. 60/727,643, filed October 17, 2005, Serial No. 60/727,644, filed October 17, 2005, Serial No. 60/727,640, filed October 17, 2005, Serial No. 60/730,145 filed October 24, 2005, Serial No. 60/789,048 filed on April 3, 2006, Serial No. 60/789,377 filed April 4, 2006, and all original and reissue patents granted thereof, and all divisions, and continuations 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 16 day of NOV, 2006.

R. Vijayalakshmi

VIJAYALAKSHMI R. RAVEENDRAN

Done at San Diego, California this _____ day of _____, 2006.

GORDON KENT WALKER

**METHODS AND DEVICE FOR DATA ALIGNMENT WITH
TIME DOMAIN BOUNDARY**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on September 26, 2006, and assigned Serial No. 11/528,139, including, without limitation, all provisional patent applications, Serial No. 60/721,416, filed September 27, 2005, Serial No. 60/727,643, filed October 17, 2005, Serial No. 60/727,644, filed October 17, 2005, Serial No. 60/727,640, filed October 17, 2005, Serial No. 60/730,145 filed October 24, 2005, Serial No. 60/789,048 filed on April 3, 2006, Serial No. 60/789,377 filed April 4, 2006, and all original and reissue patents granted thereof, and all divisions, and continuations 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.

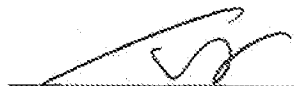
Done at San Diego, California this _____ day of _____, 2006.

VIJAYALAKSHMI R. RAVEENDRAN

Done at San Diego, California this 17th day of November, 2006.

GORDON KENT WALKER

Done at San Diego, California this 15th day of Nov, 2006.



TAO TIAN

Done at San Diego, California this _____ day of _____, 2006.

PHANIKUMAR BHAMIDIPATI

Done at San Diego, California this _____ day of _____, 2006.

FANG SHI

Done at San Diego, California this _____ day of _____, 2006.

PEISONG CHEN

Done at San Diego, California this _____ day of _____, 2006.

SITARAMAN GANAPATHY UBRAMANIA

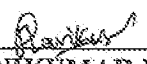
Done at San Diego, California this _____ day of _____, 2006.

SEYFULLAH HALIT OGUZ

Done at San Diego, California this _____ day of _____, 2006.

TAO TIAN

Done at San Diego, California this 14 day of November, 2006.



PHANIKUMAR BHAMIDIPATI

Done at San Diego, California this _____ day of _____, 2006.

FANG SHI

Done at San Diego, California this _____ day of _____, 2006.

PEISONG CHEN

Done at San Diego, California this _____ day of _____, 2006.

SITARAMAN GANAPATHY UBRAMANIA

Done at San Diego, California this _____ day of _____, 2006.

SEYFULLAH HALIT OGUZ

Done at San Diego, California this _____ day of _____, 2006.

TAO TIAN

Done at San Diego, California this _____ day of _____, 2006.

PHANIKUMAR BHAMIDIPATI

Done at San Diego, California this 13 day of Nov, 2006.

Fangshi

FANGSHI

Done at San Diego, California this _____ day of _____, 2006.

PEISONG CHEN

Done at San Diego, California this _____ day of _____, 2006.

SITARAMAN GANAPATHY UBRAMANIA

Done at San Diego, California this _____ day of _____, 2006.

SEYFULLAH HALIT OGUZ

Done at San Diego, California this _____ day of _____, 2006.

TAO TIAN

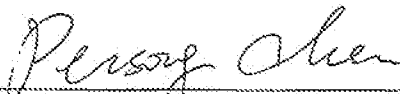
Done at San Diego, California this _____ day of _____, 2006.

PHANIKUMAR BHAMIDIPATI

Done at San Diego, California this _____ day of _____, 2006.

FANG SHI

Done at San Diego, California this 17th day of Nov., 2006.



PEISONG CHEN

Done at San Diego, California this _____ day of _____, 2006.

SITARAMAN GANAPATHY UBRAMANIA

Done at San Diego, California this _____ day of _____, 2006.

SEYFULLAH HALIT OGUZ

Done at San Diego, California this _____ day of _____, 2006.

TAO TIAN

Done at San Diego, California this _____ day of _____, 2006.

PHANIKUMAR BHAMIDIPATI

Done at San Diego, California this _____ day of _____, 2006.

FANG SHI

Done at San Diego, California this _____ day of _____, 2006.

PEISONG CHEN

Done at San Diego, California this 14th day of November, 2006.

Ge. Sitaraman
SITARAMAN GANAPATHY UBRAMANIA

Done at San Diego, California this _____ day of _____, 2006.

SEYFULLAH HALIT OGUZ

Done at San Diego, California this _____ day of _____, 2006.

TAO TIAN

Done at San Diego, California this _____ day of _____, 2006.

PHANIKUMAR BHAMIDIPATI

Done at San Diego, California this _____ day of _____, 2006.

FANG SHI

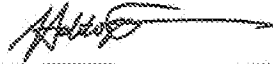
Done at San Diego, California this _____ day of _____, 2006.

PEISONG CHEN

Done at San Diego, California this _____ day of _____, 2006.

SITARAMAN GANAPATHY UBRAMANIA

Done at San Diego, California this 14th day of November, 2006.



SEYFULLAH HALIT OGUZ