

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Gordon Kent Walker</td><td>10/06/2010</td></tr> <tr><td>Vijayalakshmi R. Raveendran</td><td>09/24/2010</td></tr> <tr><td>Serafim S. Loukas Jr.</td><td>10/11/2010</td></tr> <tr><td>Seyfullah Halit Oguz</td><td>09/28/2010</td></tr> <tr><td>Fang Shi</td><td>09/29/2010</td></tr> <tr><td>Sitaraman Ganapathy Subramania</td><td>09/23/2010</td></tr> <tr><td>Phanikumar Bhamidipati</td><td>09/24/2010</td></tr> <tr><td>James T. Determan</td><td>10/08/2010</td></tr> </tbody> </table>		Name	Execution Date	Gordon Kent Walker	10/06/2010	Vijayalakshmi R. Raveendran	09/24/2010	Serafim S. Loukas Jr.	10/11/2010	Seyfullah Halit Oguz	09/28/2010	Fang Shi	09/29/2010	Sitaraman Ganapathy Subramania	09/23/2010	Phanikumar Bhamidipati	09/24/2010	James T. Determan	10/08/2010
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RECEIVING PARTY DATA																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name:</td><td>QUALCOMM Incorporated</td></tr> <tr><td>Street Address:</td><td>5775 Morehouse Drive</td></tr> <tr><td>City:</td><td>San Diego</td></tr> <tr><td>State/Country:</td><td>CALIFORNIA</td></tr> <tr><td>Postal Code:</td><td>92121-1714</td></tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1714								
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PROPERTY NUMBERS Total: 1																			
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CORRESPONDENCE DATA																			
<p>Fax Number: (858)658-2502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 858-651-6205</p> <p>Email: nanm@qualcomm.com</p> <p>Correspondent Name: Qualcomm Incorporated</p> <p>Address Line 1: 5775 Morehouse Drive</p> <p>Address Line 4: San Diego, CALIFORNIA 92121-1714</p>																			
ATTORNEY DOCKET NUMBER:	061703																		

CH \$40.00 11941014

501323996

PATENT
REEL: 025158 FRAME: 0655

NAME OF SUBMITTER:

Marian L. Christopher

Total Attachments: 24

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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,

1. Gordon Kent Walker, a citizen of the United States, having a place of residence at 14484 Huntington Gate Dr, Poway, CA 92064
2. Vijayalakshmi R. Raveendran, a citizen of India, having a place of residence at 4272 Calle Mar De Ballenas, San Diego, CA 92130
3. Serafim S. Loukas Jr., a citizen of the United States, having a place of residence at 6351 Paseo Cerro, Carlsbad, CA 92056
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5. Fang Shi, a citizen of Canada, having a place of residence at 4460 Calle Mar De Armonia, San Diego, CA 92130
6. Sitaraman Ganapathy Subramania, a citizen of India, having a place of residence at 9364 Hillery Drive, Apt. 2204, San Diego, CA 92126
7. Phanikumar Bhamidipati, a citizen of India, having a place of residence at 17034 Calle

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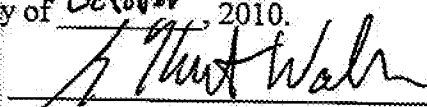
Trevino, Unit 4, San Diego, CA 92127; and

8. James T. Determan, a citizen of the United States, having a place of residence at 4366 Manchester Ave, Encinitas, CA 92024.

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 **SYSTEMS AND METHODS FOR APPLICATIONS USING CHANNEL SWITCH FRAMES** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on 11/15/2007 and assigned Serial No. **11/941,014** including Provisional Application Number **60/866,018** filed on 11/15/2006 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 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 6th day of October, 2010.



Gordon Kent Walker

ASSIGNMENT

Done at San Diego, California this _____ day of _____, 2010.

Vijayalakshmi R. Raveendran

Done at San Diego, California this _____ day of _____, 2010.

Serafim S. Loukas Jr.

Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

Done at San Diego, California this _____ day of _____, 2010.

Sitaraman Ganapathy Subramania

Done at San Diego, California this _____ day of _____, 2010.

Phanikumar Bhamidipati

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James T. Determan

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Done at San Diego, California this ____ day of _____, 2010.

Gordon Kent Walker

ASSIGNMENT

Done at San Diego, California this 24th day of SEPT, 2010.

Vijayalakshmi R. Raveendran
Vijayalakshmi R. Raveendran

Done at San Diego, California this _____ day of _____, 2010.

Serafim S. Loukas Jr.

Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

Done at San Diego, California this _____ day of _____, 2010.

Sitaraman Ganapathy Subramania

Done at San Diego, California this _____ day of _____, 2010.

Phanikumar Bhamidipati

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James T. Determan

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Done at San Diego, California this ____ day of _____, 2010.

Gordon Kent Walker

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Done at San Diego, California this _____ day of _____, 2010.

Vijayalakshmi R. Raveendran

Done at San Diego, California this 11 day of October, 2010.



Serafim S. Loukas Jr.

Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

Done at San Diego, California this _____ day of _____, 2010.

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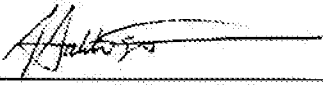
Done at San Diego, California this _____ day of _____, 2010.

Vijayalakshmi R. Raveendran

Done at San Diego, California this _____ day of _____, 2010.

Serafim S. Loukas Jr.

Done at San Diego, California this 28th day of September, 2010.



Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

Done at San Diego, California this _____ day of _____, 2010.

Sitaraman Ganapathy Subramania

Done at San Diego, California this _____ day of _____, 2010.

Phanikumar Bhamidipati

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James T. Determan

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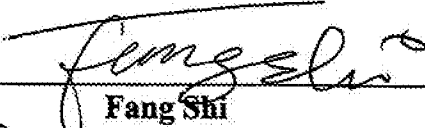
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Serafim S. Loukas Jr.

Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.



Fang Shi

Done at San Diego, California this 29 day of Sept, 2010.

Sitaraman Ganapathy Subramania

Done at San Diego, California this _____ day of _____, 2010.

Phanikumar Bhamidipati

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Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

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



Sitaraman Ganapathy Subramania

Done at San Diego, California this _____ day of _____, 2010.

Phanikumar Bhamidipati

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Gordon Kent Walker

ASSIGNMENT

Done at San Diego, California this _____ day of _____, 2010.

Vijayalakshmi R. Raveendran

Done at San Diego, California this _____ day of _____, 2010.

Serafim S. Loukas Jr.

Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

Done at San Diego, California this _____ day of _____, 2010.

Sitaraman Ganapathy Subramania

Done at San Diego, California this 24th day of September 2010.

Phanikumar Bhamidipati

Done at San Diego, California this _____ day of _____, 2010.

James T. Determan

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. Gordon Kent Walker, a citizen of the United States, having a place of residence at 14484 Huntington Gate Dr, Poway, CA 92064
2. Vijayalakshmi R. Raveendran, a citizen of India, having a place of residence at 4272 Calle Mar De Ballenas, San Diego, CA 92130
3. Serafim S. Loukas Jr., a citizen of the United States, having a place of residence at 6351 Paseo Cerro, Carlsbad, CA 92056
4. Seyfullah Halit Oguz, a citizen of Turkey, having a place of residence at 5240 Fiore Terrace, Apt #417 San Diego, CA 92122
5. Fang Shi, a citizen of Canada, having a place of residence at 4460 Calle Mar De Armonia, San Diego, CA 92130
6. Sitaraman Ganapathy Subramania, a citizen of India, having a place of residence at 9364 Hillery Drive, Apt. 2204, San Diego, CA 92126
7. Phanikumar Bhamidipati, a citizen of India, having a place of residence at 17034 Calle

ASSIGNMENT

Trevino, Unit 4, San Diego, CA 92127; and

8. James T. Determan, a citizen of the United States, having a place of residence at 4366 Manchester Ave, Encinitas, CA 92024.

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 **SYSTEMS AND METHODS FOR APPLICATIONS USING CHANNEL SWITCH FRAMES** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on 11/15/2007 and assigned Serial No. **11/941,014** including Provisional Application Number **60/866,018** filed on 11/15/2006 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 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 _____, 2010.

Gordon Kent Walker

ASSIGNMENT

Done at San Diego, California this _____ day of _____, 2010.

Vijayalakshmi R. Raveendran

Done at San Diego, California this _____ day of _____, 2010.

Serafim S. Loukas Jr.

Done at San Diego, California this _____ day of _____, 2010.

Seyfullah Halit Oguz

Done at San Diego, California this _____ day of _____, 2010.

Fang Shi

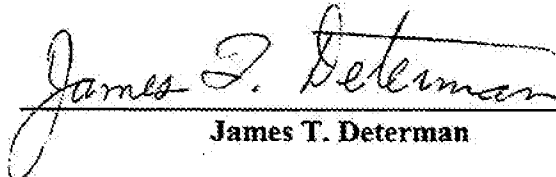
Done at San Diego, California this _____ day of _____, 2010.

Sitaraman Ganapathy Subramania

Done at San Diego, California this _____ day of _____, 2010.

Phanikumar Bhamidipati

Done at San Diego, California this 8th day of October, 2010.



James T. Determan