

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Da-Shan Shiu	01/19/2004
Thomas B. Wilborn	01/14/2004
Roland Rick	01/16/2004
Srinivasa Rao Nagaram	01/28/2004
Chalapathi Rao Emani	02/04/2004
Ramachandran Gurumoorthy	01/14/2004
Jesus Chao	01/14/2004
Steve Doerfler	01/14/2004
Peter Ang	01/15/2004
Srividya Kunisetti	01/15/2004
Gwang-Hyun Gho	01/26/2004
Thomas Bailey	01/14/2004

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:	12029849

CORRESPONDENCE DATA

Fax Number: (858)658-2502

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

Phone: (858) 651-5205

Email: usdocketing@qualcomm.com

PATENT

500462381

REEL: 020499 FRAME: 0353

CH \$40.00 12029849

Correspondent Name: QUALCOMM Incorporated
Address Line 1: 5775 Morehouse Drive
Address Line 4: San Diego, CALIFORNIA 92121-1714

NAME OF SUBMITTER:

Francois A. Pelaez

Total Attachments: 13

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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 **Da-shan Shiu**, a citizen of Taiwan, having a place of residence at 6351 Bollinger, Cupertino, CA 95014, **Thomas B. Wilborn**, a citizen of the United States of America, having a place of residence at 10765 Escobar Dr., San Diego, CA 92124, **Roland Rick**, a citizen of the United States of America, having a place of residence at 11456 Northwick Way, San Diego, CA 92131; **Srinivasa Rao Nagaram**, a citizen of India, having a place of residence at 4176 Via Mar de Delfinas, San Diego, CA 92130, **Chalapathi Rao Emani**, a citizen of India, having a place of residence at 9625 Genesee Avenue, Apt. J-1, San Diego, CA 92121, **Ramachandran Gurumoorthy**, a citizen of India, having a place of residence at 10927 Creekbridge Place, San Diego, CA 92128, **Jesus Chao**, a citizen of the United States of America, having a place of residence at 5410 Foxhound Way, San Diego, CA 92130, **Steve Doerfler**, a citizen of the United States of America, having a place of residence at 3075 Stevens Circle North, Erie, CO 80516, **Peter Ang**, a citizen of Canada, having a place of residence at 10740 Aderman Ave. Apt 68, San Diego, CA 92126, **Srividya Kunisetti**, a citizen of India, having a place of residence at 10920 Corte Luz Del Sol, San Diego, CA 92130, **Gwang-Hyun Gho**, a citizen of Korea, having a place of residence at 3577 Lake Austin Blvd., #D, Austin, TX 78703, and **Thomas Bailey**, a citizen of the United States of America, having a place of residence at 5548 Baca Circle, Boulder, CO 80301, 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: **INTER-FREQUENCY NEIGHBOR LIST SEARCHING** by us devised and the application for United States Patent therefore filed in the United States

Patent and Trademark Office on **June 13, 2003**, and assigned **Serial No. 10/461,270**, including, without limitation, all provisional patent applications, 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 Campbell, California this 19TH day of Jan., 2004.



Da-shan Shiu

Done at San Diego, California this _____ day of _____, 2004.

Thomas B. Wilborn

Done at San Diego, California this _____ day of _____, 2004.

Roland Rick

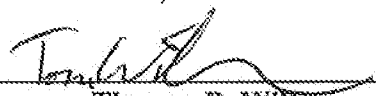
the United States Patent and Trademark Office on **June 13, 2003**, and assigned Serial No. **10/461,270**, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter 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 _____, 2004.

Da-shan Shiu

Done at San Diego, California this 14th day of January, 2004.



Thomas B. Wilborn

Done at San Diego, California this _____ day of _____, 2004.

Roland Rick

the United States Patent and Trademark Office on June 13, 2003, and assigned Serial No. 10/461,270, including, without limitation, all provisional patent applications, 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.

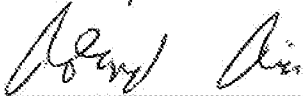
Done at San Diego, California this _____ day of _____, 2004.

Da-shan Shiu

Done at San Diego, California this _____ day of _____, 2004.

Thomas B. Wilborn

Done at San Diego, California this 16th day of January, 2004.

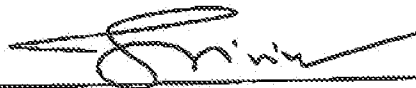


Roland Rick

ATTORNEY DOCKET NO. 020752
Serial No. 10/461,270

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 28 day of Jan, 2004.



Srinivasa Rao Nagaram

Done at San Diego, California this _____ day of _____, 2004.

Chalapathi Emani

Done at San Diego, California this _____ day of _____, 2004.

Ramachandran Gurumoorthy

Done at San Diego, California this _____ day of _____, 2004.

Jesus Chao

Done at Boulder, Colorado this _____ day of _____, 2004.


Steve Doerfler

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 _____, 2004.

Srinivasa Rao Nagaram

Done at San Diego, California this 04 day of February, 2004.



Chalapathi Emani

Done at San Diego, California this _____ day of _____, 2004.

Ramachandran Gurumoorthy

Done at San Diego, California this _____ day of _____, 2004.

Jesus Chao

Done at Boulder, Colorado this _____ day of _____, 2004.

Steve Doerfler

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 _____, 2004.

Srinivasa Rao Nagaram

Done at San Diego, California this _____ day of _____, 2004.

Chalapathi Emani

Done at San Diego, California this 14th day of January, 2004.



Ramachandran Gurumoorthy

Done at San Diego, California this _____ day of _____, 2004.

Jesus Chao

Done at Boulder, Colorado this _____ day of _____, 2004.

Steve Doerfler

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 _____, 2004.

Srinivasa Rao Nagaram

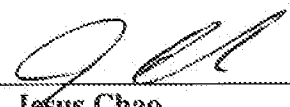
Done at San Diego, California this _____ day of _____, 2004.

Chalapathi Emani

Done at San Diego, California this _____ day of _____, 2004.

Ramachandran Gurumoorthy

Done at San Diego, California this 14 day of JAN, 2004.



Jesus Chao

Done at Boulder, Colorado this _____ day of _____, 2004.

Steve Doerfler

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 _____, 2004.

Srinivasa Rao Nagaram

Done at San Diego, California this _____ day of _____, 2004.

Chalapathi Emani

Done at San Diego, California this _____ day of _____, 2004.

Ramachandran Gurumoorthy

Done at San Diego, California this _____ day of _____, 2004.

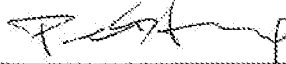
Jesus Chao

Done at Boulder, Colorado this 14 day of January, 2004.

Steve Doerfler
Steve Doerfler

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 15 day of January, 2004.



Peter Ang

Done at San Diego, California this _____ day of _____, 2004.

Srividya Kunisetti

Done at Austin, Texas this _____ day of _____, 2004.

Gwang-Hyun Gho

Done at Boulder, Colorado this _____ day of _____, 2004.

Thomas Bailey

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 _____, 2004.

Peter Ang

Done at San Diego, California this 15th day of January, 2004.

K. Srinidya
Srividya Kuniseti

Done at Austin, Texas this _____ day of _____, 2004.

Gwang-Hyun Gho

Done at Boulder, Colorado this _____ day of _____, 2004.

Thomas Bailey

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 _____, 2004.

Peter Ang

Done at San Diego, California this _____ day of _____, 2004.

Srividya Kunisetti

Done at Austin, Texas this 26th day of January, 2004.



Gwang-Hyun Gho

Done at Boulder, Colorado this _____ day of _____, 2004.

Thomas Bailey

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 _____, 2004.

Peter Ang


Done at San Diego, California this _____ day of _____, 2004.

Srividya Kunisetti

Done at Austin, Texas this _____ day of _____, 2004.

Gwang-Hyun Gho

Done at Boulder, Colorado this 14th day of Jan., 2004.



Thomas Bailey