

FORM PTO-1619A/B

U.S. Department of Commerce
Patent and Trademark Office
PATENT**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Attorney Docket No.: 040600U2

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
- ☐ Resubmission (Non-Recordation)
Document ID No. _____
- ☐ Correction of PTO Error
Reel No. _____ Frame No. _____
- ☐ Corrective Document
Reel No. _____ Frame No. _____

Conveyance Type

- ☒ Assignment
- ☐ Change of Name
- ☐ License
- ☐ Merger
- ☐ Security Agreement
- ☐ Other: _____

Conveying Party(ies)☒ Mark if additional names are attached

NAME

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

1. Avneesh Agrawal

09212005

2. Durga Prasad Malladi

09192005

3. Anastasios Stamoulis

09202005

4. Ashok Mantravadi

09202005

Receiving Party☐ Mark if additional names are attached

Name: QUALCOMM Incorporated
A Delaware Corporation

Address (Street number and name): 5775 Morehouse Drive

Address (City, State, Zip Code): San Diego, California, 92121-1714

Correspondent Name and Address

Name: QUALCOMM Incorporated
Attn: Patent Department

Telephone Number: (858) 658-5787

Facsimile: (858) 658-2502

Address: 5775 Morehouse Drive

Address: San Diego, California 92121-1714

Pages (Enter the total number of pages of the attached conveyance document including any attachments)

Total number of pages: 6

Application Number(s) or Patent Number(s)

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application Number(s):

1. 11/144,846
2. _____
3. _____
4. _____

Patent Number(s):

1. _____
2. _____
3. _____
4. _____

Patent Cooperation Treaty (PCT)

(Enter only if a U.S. Application Number has not been assigned)

1. PCT/

3. PCT/

2. PCT/

4. PCT/

Number of Properties (Enter the total number of properties involved)

Total number of properties: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment: ☐ Enclosed ☒ Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account. A duplicate of this sheet is enclosed for fee processing)

Deposit Account Number: 17-0026

Authorization to charge additional fees: ☒ Yes ☐ No**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Date: October 7, 2005

Name: George J. Oehling, Reg. No. 40,471
(858) 658-1761

Signature: **FOR OFFICE USE ONLY**

FORM PTO-1619C

U.S. Department of Commerce
Patent and Trademark Office
PATENT**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY****Attorney Docket No.: 040600U2****ENTER ADDITIONAL CONVEYING PARTIES:****NAME****EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

09202005**5. Ramaswamy Murali****6.****7.****8.****9.****10.****11.****12.****13.****14.****15.****16.****17.****18.****19.****20.****Enter additional Receiving Party(ies):****Name:****Address (Street number and name):****Address (City, State, Zip Code):****Name:****Address (Street number and name):****Address (City, State, Zip Code):****Application Number(s) or Patent Number(s)****Patent Application Number(s):****Patent Number(s):****5.****6.****7.****8.****9.****5.****6.****7.****8.****9.**

ATTORNEY DOCKET NO. 040600U2

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 **Avneesh Agrawal**, a citizen of ^{US (AA)} ~~India~~ having a place of residence at 7891 Doug Hill, San Diego, California 92127, and **Durga Prasad Malladi**, a citizen of India having a place of residence at 11983 Briarleaf Way, San Diego, California 92128, and **Anastasios Stamoulis**, a citizen of Greece having a place of residence at 600 Front Street Apt. 140, San Diego, California 92101, and **Ashok Mantravadi**, a citizen of India having a place of residence at 7855 Avenida Navidad, Apt 229, San Diego, California 92122, and **Ramaswamy Murali**, a citizen of India having a place of residence at 11723 Springside Road, San Diego, California 92128; 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:

**TRANSMISSION OF OVERHEAD INFORMATION FOR BROADCAST AND
MULTICAST SERVICES IN A WIRELESS COMMUNICATION SYSTEM**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **June 2, 2005**, and assigned Serial No. **11/144,846**, including, without limitation, all provisional patent applications, including Serial No. **60/577,083**, filed June 4, 2004, 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

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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 21st day of Sep, 2005.


Avneesh Agrawal

Done at San Diego, California this ____ day of _____, 2005.

Durga Prasad Malladi

Done at San Diego, California this ____ day of _____, 2005.

Anastasios Stamoulis

Done at San Diego, California this ____ day of _____, 2005.

Ashok Mantravadi

Done at San Diego, California this ____ day of _____, 2005.

Ramaswamy Murali

ATTORNEY DOCKET NO. 040600U2

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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 ____, 2005.

Avneesh Agrawal

Done at San Diego, California this 19th day of Sep, 2005.

MD Prasad

Durga Prasad Malladi

Done at San Diego, California this ____ day of ____, 2005.

Anastasios Stamoulis

Done at San Diego, California this ____ day of ____, 2005.

Ashok Mantravadi

Done at San Diego, California this ____ day of ____, 2005.

Ramaswamy Murali

ATTORNEY DOCKET NO. 040600U2

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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 ____, 2005.

Avneesh Agrawal

Done at San Diego, California this ____ day of ____, 2005.

Durga Prasad Malladi

Done at San Diego, California this 20 day of September, 2005.



Anastasios Stamoulis

Done at San Diego, California this ____ day of ____, 2005.

Ashok Mantravadi

Done at San Diego, California this ____ day of ____, 2005.

Ramaswamy Murali

ATTORNEY DOCKET NO. 040600U2

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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 _____, 2005.

Avneesh Agrawal

Done at San Diego, California this _____ day of _____, 2005.

Durga Prasad Malladi

Done at San Diego, California this _____ day of _____, 2005.

Anastasios Stamoulis

Done at San Diego, California this 20 day of Sep., 2005.



Ashok Mantravadi

Done at San Diego, California this _____ day of _____, 2005.

Ramaswamy Murali

ATTORNEY DOCKET NO. 040600U2

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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 _____, 2005.

Avneesh Agrawal

Done at San Diego, California this ____ day of _____, 2005.

Durga Prasad Malladi

Done at San Diego, California this ____ day of _____, 2005.

Anastasios Stamoulis

Done at San Diego, California this ____ day of _____, 2005.

Ashok Mantravadi

Done at San Diego, California this 20th day of September, 2005.



Ramaswamy Murali