



SHEET

102383896

Attorney Docket No.: 020644

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
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- 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. KHALED HELMI EL-MALEH
2. ANANTHAPADMANABHAN ARASANIPALAI KANDHADAI
3. SHARATH MANJUNATH
- 4.

02/24/2003
02/24/2003
02/24/2003

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 Dept.
Address: 5775 Morehouse Drive
Address: San Diego, California 92121-1714

Telephone Number: (858) 651-4404
Facsimile: (858) 658-2502

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

Total number of pages: 4

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. 10/313,264 FILED 12/06/2002
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: February 26, 2003
Name: Kent D. Baker, Reg. No. 38,822
(858) 658-1930

Signature: _____

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03/06/2003 EXCISEP 00000191 170026 102383896
01 FC:0021 40.00 CH

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 **KHALED HELMI EL-MALEH**, a citizen of Canada having a place of residence at **7675 PALMILLA DRIVE # 6314, SAN DIEGO, CALIFORNIA 92122**; **ANANTHAPADMANABHAN ARASANIPALAI KANDHADAI**, a citizen of India having a place of residence at **10187 CAMINO RUIZ #127, SAN DIEGO, CALIFORNIA 92126**; and **SHARATH MANJUNATH**, a citizen of India having a place of residence at **11184 VISTA SORRENTO PARKWAY, 205, SAN DIEGO, CALIFORNIA 92130**; 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 a **TANDEM-FREE INTERSYSTEM VOICE COMMUNICATION** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **12/06/2002**, and assigned Application Serial No. **10/313,264**, 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.

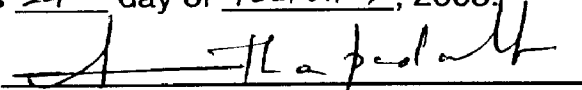
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 24th day of February, 2003.



KHALED HELMI EL-MALEH

Done at San Diego, California this 24th day of FEBRUARY, 2003.



ANANTHAPADMANABHAN ARASANIPALAI KANDHADAI

Done at San Diego, California this 24th day of FEBRUARY, 2003.



SHARATH MANJUNATH