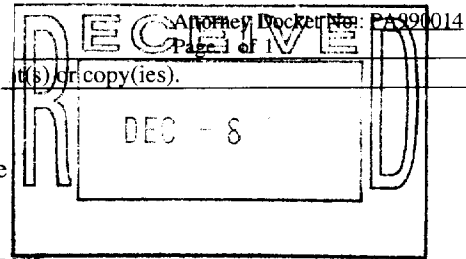


04-06-2000

U.S. Department of Commerce
Patent and Trademark Office
PATENT



101306879



TO: The Commissioner of Patents and Tradem.

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)

NAME

1. RAYMOND C. WALLACE
- 2.
- 3.
- 4.

☐ Mark if additional names are attached

EXECUTION DATE

Month, Day, Year (MMDDYYYY)
DECEMBER 2, 1999

Receiving Party

Name: QUALCOMM Incorporated
A Delaware Corporation

Address (Street number and name): 5775 Morehouse Drive

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

☐ Mark if additional names are attached

Correspondent Name and Address

Name: QUALCOMM Incorporated
Attn: Jean Lupien

Address: 5775 Morehouse Drive

Address: San Diego, California 92121

Telephone Number: (858) 651-5886

Facsimile: (858) 658-2502

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

Total number of pages: 3

Application Number(s) or Patent Number(s)

Patent Application Number(s):

- 1.
- 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 hereon.

Name: Charles D. Brown, Reg. No. 28,285 Signature: Charles D. Brown Date: DECEMBER 2, 1999

FOR OFFICE USE ONLY

RAYMOND WALLACE 170026 40.00 PCT 04/05/2000 01 FC:561

(TRANSASSIGN.VER1.0)

PATENT
REEL: 010657 FRAME: 0945

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I **RAYMOND C. WALLACE** a citizen of the United States of America having a place of residence at 4065 Lark Street, San Diego, California 92103, 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, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to **EFFICIENT ANTENNA SYSTEM FOR A PERSONAL COMMUNICATION DEVICE** by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on even date herewith, 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 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 2nd day of Dec, 1999.

Raymond C. Wallace
RAYMOND C. WALLACE

STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN DIEGO)

On December 2, 1999 before me, the undersigned, a Notary Public in and for said State, personally appeared RAYMOND C. WALLACE, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he executed same.

Danielle L. Miller
Notary Public

(seal)

