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10/982691

U.S. Department of Commerce
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102879249

OVER SHEET
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Attorney Docket No.: 040561

22390 U.S. PTO
10/982691



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. Perry Willmann Remaklus, Jr.
2. Robert Michael Walker
- 3.
- 4.

11/05/2004
11/05/2004

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

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

Telephone Number: (858) 658-5787
Facsimile: (858) 658-2502

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

Total number of pages: two

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: November 5, 2004

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/
2. PCT/

3. PCT/
4. PCT/

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

Total number of properties: one

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: November 5, 2004

Name: Nicholas J. Pauley, Reg. No. 44,999
Phone No. (858) 845-8405

Signature: _____

11/12/2004 6TON11 00000000 170026 10982691

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ATTORNEY DOCKET NO. 040561

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 **Perry Willmann Remaklus Jr.**, a citizen of the United States of America having a place of residence at 5313 Inglewood Lane, Raleigh, North Carolina 27609, and **Robert Michael Walker**, a citizen of the United States of America having a place of residence at 9000 Deerland Grove Drive, Raleigh, North Carolina 27615; 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:

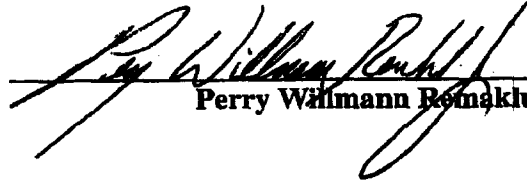
**METHOD AND SYSTEM FOR PROVIDING INDEPENDENT BANK REFRESH
FOR VOLATILE MEMORIES**

by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office herewith, including, without limitation, all provisional patent applications, including Serial No. 60/575,333, filed May 27, 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 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.

ATTORNEY DOCKET NO. 040561

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 Cary, North Carolina this 5th day of NOVEMBER, 2004.


Perry Wilmann Reinakus Jr.

Done at Cary, North Carolina, this 5th day of November, 2004.


Robert Michael Walker