501931503 05/23/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Samir S. Soliman | 04/26/2005 |
| Peter Gaal | 04/26/2005 |

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: | 13431788 |

CORRESPONDENCE DATA

Fax Number: (858)658-2502 Phone: (858) 651-5205

Email: patent.docketing.us@qualcomm.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: QUALCOMM Incorporated Address Line 1: 5775 Morehouse Drive

Address Line 4: San Diego, CALIFORNIA 92121-1714

ATTORNEY DOCKET NUMBER: 050038D1C1

NAME OF SUBMITTER: Michelle Sanfilippo

Total Attachments: 3

501931503

source=050038_Assignment_5_23_2012#page1.tif source=050038_Assignment_5_23_2012#page2.tif source=050038_Assignment_5_23_2012#page3.tif

REEL: 028259 FRAME: 0514

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, Samir S. Soliman, a citizen of United States of America, having a place of residence at 11412 Cypress Canyon Park Drive, San Diego, CA 92131, and Peter Gaal, a citizen of Hungary, having a place of residence at 8304 Menkar Road, San Diego, CA 92126; 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 APPARATUS FOR ENHANCING SIGNAL-TO-NOISE RATIO OF POSITION LOCATION MEASUREMENTS

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on herewith, and assigned Serial No. [120,41] (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the serial number in the space provided when known), including, without limitation, all provisional patent applications, including Serial No. 60/666,138, filed March 28, 2005, and all original and reissue patents granted thereof, and all divisions, and continuations 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 | April | , 2005. |
|------------------------------------|----------|---|---------|
| | <u>2</u> | 2-Qi | Member |
| | | Samir S. Solin | nan |
| | | | |
| Done at San Diego, California this | day of | *************************************** | , 2005. |
| | | · | |
| | | Peter Gaal | |
| | | | |

1 of 1

[Assignment/Multiple with Application]

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, Samir S. Soliman, a citizen of United States of America, having a place of residence at 11412 Cypress Canyon Park Drive, San Diego, CA 92131, and Peter Gaal, a citizen of Hungary, having a place of residence at 8304 Menkar Road, San Diego, CA 92126; 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 APPARATUS FOR ENHANCING SIGNAL-TO-NOISE RATIO OF POSITION LOCATION MEASUREMENTS

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on herewith, and assigned Serial No. (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the serial number in the space provided when known), including, without limitation, all provisional patent applications, including Serial No. 60/666,138, filed March 28, 2005, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, and all divisions, and continuations thereof, 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, 2005. |
|---------------------------------------|--------------------------------------|
| | Samir S. Soliman |
| | |
| Done at San Diego, California this _2 | 26 ^K day of April , 2005. |
| | P-4 |
| | Peter Gaal |

1 of 1

[Assignment/Multiple with Application]

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 11120411

Filing Dt: 05/02/2005

Patent #: NONE
Publication #: US20060215618

Issue Dt:

PCT #: NONE

`

Pub Dt: 09/28/2006

Inventors: Samir S. Soliman, Peter Gaal

Title: Method and apparatus for enhancing signal-to-noise ratio of position location measurements

Assignment: 1

Reel/Frame: 016838 / 0964

Received: 09/22/2005

Recorded: 09/22/2005

Mailed: 12/01/2005

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: SOLIMAN, SAMIR S.

Exec Dt: 04/26/2005

GAAL, PETER

Exec Dt: 04/26/2005

Assignee: QUALCOMM INCORPORATED, A DELAWARE CORPORATION

5775 MOREHOUSE DRIVE

SAN DIEGO, CALIFORNIA 92121-1714

Correspondent: QUALCOMM INCORPORATED

ATTN: PATENT DEPARTMENT

5775 MOREHOUSE DRIVE SAN DIEGO, CALIFORNIA 92121-1714

Search Results as of: 10/17/2006 11:54:41 AM

Disclaimer:

Assignment information on the assignment database reflects assignment documents that have been actually recorded. If the assignment for a patent was not recorded, the name of the assignee on the patent application publication or patent may be different.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 571-272-3350

Close Window

PATENT 10/17/2006 REEL: 028259 FRAME: 0517