

CAVELIER

ABC 11222

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BOGOT.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 07-008867-00003-0000

Fecha: 2007-05-28 16:18:29 Dep. 2020 NUECREACIONE
Tra. 11 PATENTEIYII Evt. 379 FASENACIONALI
Act. 444 RESPUESTAREQUE Folios 18

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1347 3811
211 8850
540 0880
381 9880

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cavelier@cavelier.com

Señora Jefe de la

DIVISION DE NUEVA CREACIONES

Superintendencia de Industria y Comercio

TRAMITE : 011

EVENTO : 379

ACTUACIÓN : 444

Referencia : Expediente No. 07.008.867
Asunto : Solicitud de patente para METODO Y APARATO
PARA CANCELAR LA INTERFERENCIA PILOTO EN UN
SISTEMA DE COMUNICACIÓN INHALÁMBRICO
Solicitante : QUALCOMM INCORPORATED

CONTESTACION OFICIO No. 1981

1. Yo, Emilio FERRERO, en mi condición de apoderado de la sociedad solicitante, QUALCOMM INCORPORATED, doy contestación dentro de la prórroga solicitada al requerimiento efectuado por este Despacho mediante Oficio No. 1981 notificado por fijación en lista el 9 de febrero de 2007, para lo cual presento los siguientes documentos:

1.1. Copia del Reporte de Examen Preliminar Internacional de Patentabilidad, el cual no contiene anexos toda vez que las reivindicaciones no fueron modificadas en el trámite de la fase internacional.

1.2. Documento en que consta la cesión del derecho a la patente efectuado por los inventores en favor de la sociedad QUALCOMM INCORPORATED.

Se presenta este documento en copia certificada del original, el cual fue debidamente suscrito y legalizado por Apostille, junto con su correspondiente traducción oficial al español.

2. De acuerdo con lo anterior, comedidamente solicito a Usted proseguir con el trámite de este asunto y ordenar la publicación de la solicitud de la patente identificada en la referencia.

Señora Jefe,



EMILIO FERRERO

T.P.A. No. 31.929

COLO 14439-841-013-0
SCT/SCT

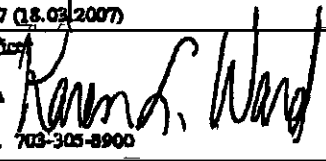
PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 01036482WO International application No. PCT/US05/23307 International Patent Classification (IPC) or national classification and IPC IPC: H04B 1/707 USPC: 375/144, 148, 346 Applicant QUALCOMM INCORPORATED	FOR FURTHER ACTION	See Form PCT/IPRA/416 International filing date (day/month/year) 30 June 2005 (30.06.2005) Priority date (day/month/year) 30 June 2004 (30.06.2004)
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet. 3. This report is also accompanied by ANNEXES, comprising: a. ☐ (sent to the applicant and to the International Bureau) a total of <u> </u> sheets, as follows: ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) <u> </u> , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions). 4. This report contains indications relating to the following items: ☒ Box No. I Basis of the report ☐ Box No. II Priority ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited ☐ Box No. VII Certain defects in the international application ☐ Box No. VIII Certain observations on the international application		
Date of submission of the demand 23 January 2006 (23.01.2006) Name and mailing address of the IPRA/US Mail Stop PCT, Attn: IPRA/US Communications for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (371) 273-3201 Form PCT/IPRA/409 (cover sheet) (April 2005)	Date of completion of this report 18 March 2007 (18.03.2007) Authorized officer Kevin Y. Kim Telephone No. 703-305-8900 	

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/US95/23307

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed.
- ☐ a translation of the international application into English, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4(a))
- ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

- ☒ the international application as originally filed/furnished
- ☒ the description:
- pages 1-40 as originally filed/furnished
- pages* NONE received by this Authority on _____
- pages* NONE received by this Authority on _____
- ☒ the claims:
- pages 41-52 as originally filed/furnished
- pages* NONE as amended (together with any statement) under Article 19
- pages* NONE received by this Authority on _____
- pages* NONE received by this Authority on _____
- ☒ the drawings:
- pages 1/17 - 17/17 as originally filed/furnished
- pages* NONE received by this Authority on _____
- pages* NONE received by this Authority on _____

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify): _____
- ☐ any table(s) related to the sequence listing (specify): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify): _____
- ☐ any table(s) related to the sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/US03/29307

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Claims ~~10-23, 26, 29-36~~

YES

Claims ~~1-9, 24, 25, 27, and 28~~

NO

Inventive Step (IS)

Claims ~~10-23, 26, 29-36~~

YES

Claims ~~1-9, 24, 25, 27, and 28~~

NO

Industrial Applicability (IA)

Claims ~~1-36~~

YES

Claims ~~NONE~~

NO

2. Citations and Explanations (Rule 70.7)

Claims 1-9, 24, 25, 27 and 28 lack novelty under PCT Article 33(2) as being anticipated by Levin et al (US 2003/0021334 A1).

Claims 1-3, 9, 24, 25, 27, 28.

Levin et al discloses a receiver (see Fig. 5) to receive a wireless CDMA signal comprising at least first and second signal instances comprising data and a pilot signal, comprising:

a processor (410x) configured to determine a first channel estimate for the first signal instance (by way of pilot filter 528), use the first channel estimate and a spread pilot (534) associated with the first signal instance to estimate a first pilot of the first signal instance, determine a second channel estimate for the first signal instance (by way of pilot filter 528), use the second channel estimate and a spread pilot (534) associated with the second signal instance to estimate a second pilot of the first signal instance, a buffer (538) to accumulate the estimated first and second pilots, wherein the processor subtracts (542) the accumulated, estimated first and second pilots from the received signal to estimate a pilot cancelled received signal, wherein the pilot cancelled signal is used to demodulate data of the first signal instance (548).

Claim 6.

See the sample buffer (408x).

Claim 7.

It appears that the sample rate of the sample buffer should be equal to the sample rate of the accumulation buffer for synchronization.

Claim 8.

CDMA uses a PN sequence for spread spectrum modulation.

Claims 10-23, 26, 29-36 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the claimed subject matter of producing pilot cancelled received signal.

Claims 1-36 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

NEW CITATIONS

NONE

APOSTILLE*(Convention de La Haye du 5 octobre 1961)*

1. Country: United States of America

This public document

2. has been signed by M. K. Carter

3. acting in the capacity of Certifying Officer

4. bears the seal/stamp of Patent and Trademark Office

Certified

5. at Washington, D.C.

6. the fourth of April, 2007

7. by Assistant Authentication Officer, United States Department of State

8. No. 07017675-9

9. Seal/Stamp:

10. Signature:

Sonya N. Johnson

183

A 1585975



THE UNITED STATES OF AMERICA

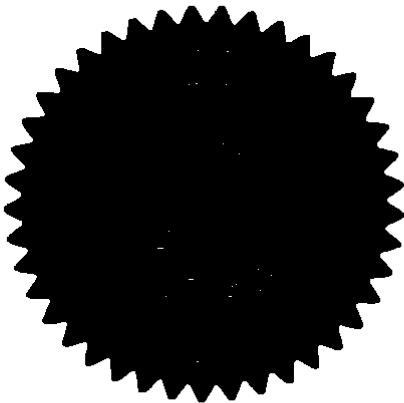
TO ALL TO WHOM THESE PRESENTS SHALL COME:

**UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

March 15, 2007

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
SEPTEMBER 08, 2005.**

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**



**M. K. CARTER
Certifying Officer**

FORM PTO-1619A/B

U.S. Department of Commerce
Patent and Trademark Office
PATENTRECORDATION FORM COVER SHEET
PATENTS ONLYCustomer No.: 23896
Attorney Docket No.: 010364B2

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.
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Reel No. Frame No.

Conveyance Type

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

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

1. Alessandro Vanelli Coralli
2. Henry David Pfister
3. Hlei Hoiu
4. John Edward Smeo

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

08/30/2005

08/25/2005

08/30/2005

09/07/2005

Receiving Party

☐ Mark if additional names are attachedName: 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) 651-4470

Facsimile: (858) 658-2502

Pages (Enter the total number of pages including the Recordation Sheet)

Total number of pages: 5

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. 11/173,504 filed 6/30/2005
- 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 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: 9/8/2005

Name: Alex C. Chen, Reg. No. 45,591
(858) 651-5363

Signature: ACC

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Page 1 of 2

(TRANSMISSION DATE: 9/17/2001)

PATENT

700209072

REEL: 016744 FRAME: 0633

FD-101 APTO-1619C

U.S. Department of Commerce
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CONTINUATION
PATENTS ONLY

Attorney Docket No.: 010364B2

ENTER ADDITIONAL CONVEYING PARTIES:

NAME	EXECUTION DATE Month, Day, Year (MMDDYYYY)
5. Roberto Padovani	08/30/2005
6. Brian K. Butler	08/31/2005
7. Jeffrey A. Levin	08/31/2005
8. Thomas B. Wilborn	08/31/2005
9. Paul H. Bender	08/03/2005
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Application Number(s) or Patent Number(s)

Patent Application Number(s):

5.
6.
7.
8.
9.

Patent Number(s):

5.
6.
7.
8.
9.

ATTORNEY DOCKET NO. 010364B2 186

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 Alessandro Vanelli Coralli, a citizen of Italy having a place of residence at Via Vetulonia, 13, Bologna, Italy; Henry David Pfister, a citizen of the United States of America having a place of residence at 3368 Governor Dr., # F151, San Diego, California 92122; Jilei Hou, a citizen of the Peoples' Republic of China having a place of residence at 1014 Beacon Bay Dr., Carlsbad, California 92009; John Edward Smees, a citizen of Canada having a place of residence at 5340 Toscana Way, Apt. F-406, San Diego, California 92122; Roberto Padovani, a citizen of the United States of America having a place of residence at 13593 Penfield Point, San Diego, California 92130; Brian K. Butler, a citizen of the United States of America having a place of residence at 2171 Via Nina, La Jolla, California 92037; Jeffrey A. Levin, a citizen of the United States of America having a place of residence at 13063 Harwick Lane, San Diego, California 92130; Thomas B. Wilborn, a citizen of the United States of America having a place of residence at 11135 Vivaracho Way, San Diego, California 92124; Paul E. Bender, a citizen of the United States of America having a place of residence at 2879 Angell Avenue, San Diego, California 92122; 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 CANCELING PILOT INTERFERENCE 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 6/30/2005 and assigned Application Serial No. 11/173,504,

ATTORNEY DOCKET NO. 010364B2

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including, without limitation, all provisional patent applications, applications, including U.S. provisional application no. 60/584,527, entitled "Method and Apparatus for Canceling Pilot Interference in a Wireless Communication System", filed on June 30, 2004, and which application is a Continuation-in-Part and claims priority to Patent Application No. 09/974,935, filed October 10, 2001, which claims priority to Provisional Application No. 60/296,259 entitled "METHOD AND APPARATUS FOR CANCELLATION OF MULTIPLE PILOT SIGNALS," filed June 6, 2001, 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 30th day of AUGUST, 2005.



Alessandro Vanelli Coralli

Done at Lausanne, Switzerland this 25th day of August, 2005.



Henry David Pfister

ATTORNEY DOCKET NO. 01036482

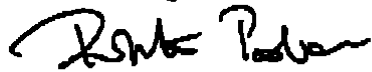
198

Done at San Diego, California this 30 day of August, 2005.

Jilei Hou

Done at San Diego, California this 7 day of Sept, 2005.

John Edward Smee

Done at San Diego, California this 30 day of August, 2005.

Roberto Padovani

Done at San Diego, California this 31 day of August, 2005.

Brian K. Butler

Done at San Diego, California this 31 day of August, 2005.

Jeffrey A. Levin

Done at San Diego, California this 31 day of August, 2005.

Thomas B. Wilborn

Done at San Diego, California this 3 day of August, 2005.

Paul E. Bender

189
TRADUCCIÓN OFICIAL 106/2007 DE UN DOCUMENTO ESCRITO EN IDIOMA
INGLÉS REALIZADA POR EDUARDO CALADO NOGUERA, TRADUCTOR OFICIAL
AUTORIZADO POR RESOLUCIÓN 541 DEL 27 DE FEBRERO DE 1976 Y
DEBIDAMENTE INSCRITO ANTE EL MINISTERIO DE RELACIONES EXTERIORES
DE COLOMBIA.

ESTADOS UNIDOS DE AMÉRICA

A QUIEN CORRESPONDA

DEPARTAMENTO DE COMERCIO DE ESTADOS UNIDOS

OFICINA DE MARCAS Y PATENTES DE ESTADOS UNIDOS

15 de marzo de 2007

POR EL PRESENTE CERTIFICO QUE LA ADJUNTA ES UNA COPIA VERÍDICA
TOMADA DE LOS REGISTROS DE ESTA OFICINA SOBRE UN DOCUMENTO
REGISTRADO EL 8 DE SEPTIEMBRE DE 2005.

POR AUTORIZACIÓN DEL SUBSECRETARIO DE COMERCIO PARA PROPIEDAD
INTELECTUAL Y DIRECTOR DE LA OFICINA DE MARCAS Y PATENTES DE
ESTADOS UNIDOS.

FIRMADO: M.K. CARTER, FUNCIONARIO CERTIFICADOR.

FORMA PTO-1619 A/B

DEPARTAMENTO DE COMERCIO DE ESTADOS UNIDOS

OFICINA DE MARCAS Y PATENTES

PATENTE

PORTADA DE FORMATO DE REGISTRO

PATENTES ÚNICAMENTE

CLIENTE 23696, EXPEDIENTE 010364B2

TIPO DE PRESENTACIÓN: NUEVA. TIPO DE TRANSACCIÓN: CESIÓN

PARTES CEDENTES:

NOMBRE	FECHA DE FIRMA
1. ALESSANDRO VANELLI CORALLI	30 AGOSTO 2005
2. HENRY DAVID PFISTER	25 AGOSTO 2005
3. JILEI HOU	30 AGOSTO 2005
4. JOHN EDWARD SMEE	07 SEPT 2005

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PARTE CESIONARIA:

NOMBRE: QUALCOMM INCORPORATED, UNA EMPRESA DE DELAWARE

DIRECCIÓN: 577 MOREHOUSE DRIVE

SAN DIEGO, CALIFORNIA 92121-1714

NOMBRE Y DIRECCIÓN DEL CORRESPONSAL:

QUALCOMM INCORPORATED,

DIRECCIÓN: 577 MOREHOUSE DRIVE

SAN DIEGO, CALIFORNIA 92121-1714

PAGINAS ORIGINALES : CINCO

NÚMERO DE LA SOLICITUD DE PATENTE: 11/173.504, PRESENTADA EL 30 DE JUNIO DE 2005

NÚMERO DE PROPIEDADES: UNO

CANTIDAD DE HONORARIOS. CUANTIA DE HONORARIOS PARA LAS PROPIEDADES ENUMERADAS: (37 CFR 3.41):\$40,00

MÉTODO DE PAGO: CUENTA DE DEPÓSITO

NÚMERO DE CUENTA DE DEPÓSITO: 17-0026

AUTORIZACIÓN PARA COBRAR HONORARIOS ADICIONALES: Sí.

DECLARACIÓN Y FIRMA

A mi real saber y entender, la información anterior es verídica y correcta y cualquier copia adjunta es una copia verídica del original. Los cargos a cuenta de depósito se autorizan tal como se indica.

Fecha: 8 de septiembre de 2005. Nombre: Alex C. Chen, Número de registro 45,591. FIRMA: ACC.

CEDENTES ADICIONALES:

NOMBRES

FECHA DE FIRMA

5. ROBERTO PADOVANI

30 de agosto 2005

6. BRIAN K. BUTLER

31 de agosto 2005

7. JEFFREY A. LEVIN

31 de agosto 2005

8. THOMAS B. WILBORN

31 de agosto 2005

9. PAUL E. BENDER

03 de agosto 2005

EXPEDIENTE 010364B2

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CESIÓN

A quien corresponda:

A cambio de la suma de un dólar y otra compensación valiosa entregada personalmente, de la cual se acusa recibo, se informa que nosotros, ALESSANDRO VANELLI CORALLI, ciudadano italiano domiciliado en Vía Vetulonia, 13, Bologna, Italia, HENRY DAVID PFISTER, un ciudadano de los Estados Unidos de América, con residencia en 3368 Governor Dr. # F151, San Diego, California 92122; JILEI HOU, ciudadano de la República Popular China con residencia en 1014 Beacon Bay Dr., Carlsbad, California 92009, JOHN EDWARD SMEE, ciudadano canadiense con residencia en 5340 Toscana Way, Apt. F-406, San Diego, California 92122; ROBERTO PADOVANI, ciudadano de Estados Unidos de América con lugar de residencia en 13593 Penfield Point, San Diego, California 92130; BRIAN K. BUTLER, ciudadano de Estados Unidos de América con residencia en 2171 Via Nina, La Jolla, California 92037; JEFFREY A. LEVIN, ciudadano de Estados Unidos de América con residencia en 13063 Hardwick Lane, San Diego, California 92130, THOMAS B. WILBORU, ciudadano de los Estados Unidos de América, con residencia en 11135 Vivaracho Way, San Diego, California 92124; PAUL E. BENDER, ciudadano de Estados Unidos de América con lugar de residencia en 2879 Angell Avenue, San Diego, California 92122, han vendido, cedido y transferido y por la presente vende, cede y transfiere a QUALCOMM Incorporated, una empresa de Delaware, con domicilio en 5775 Morehouse Drive, San Diego, California 92121-1714, sus sucesores, representantes legales o cesionarios, todo el derecho, título e interés sobre cierto invento relacionado con:

MÉTODO Y APARATO PARA CANCELAR LA INTERFERENCIA PILOTO EN UN SISTEMA DE COMUNICACIONES INALÁMBRICO inventado por nosotros y la solicitud de patente de Estados Unidos de América presentada para

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el mismo ante la Oficina de Marcas y Patentes de Estados Unidos el 30 de junio de 2005 y la solicitud con número de serie 11/173,504 cedida, incluyendo, sin limitaciones, todas las solicitudes de patente provisionales, incluyendo la solicitud de patente provisional estadounidense 60/584,527, titulada MÉTODO Y APARATO PARA CANCELAR LA INTERFERENCIA PILOTO EN UN SISTEMA DE COMUNICACIONES INALÁMBRICO, presentada el 30 de junio de 2004, cuya solicitud es una continuación parcial y asimismo reclama prioridad para la Solicitud provisional de Patente No.60/296,259 titulada MÉTODO Y APARATO PARA CANCELACIÓN DE SEÑALES PILOTOS MÚLTIPLES, presentada el 6 de junio de 2001 y todas las patentes y segundas expediciones otorgadas, así como todas las divisiones y continuaciones de las mismas, incluyendo el tema de todas las reivindicaciones que se pueden obtener en cada una de dichas patentes, y todos los derechos extranjeros sobre dicha invención, y acordamos que tenemos pleno derecho a hacer esto, y que comunicaremos a dicha empresa o sus representantes todos los hechos conocidos para nosotros con respecto a dicho invento, cuando se solicite y atestiguaremos en todas las actuaciones jurídicas, firmaremos todos los documentos legales, haremos todos los juramentos debidos y en general todo lo posible para ayudar a dicha empresa, sus sucesores, cesionarios y nominatarios a obtener y hacer cumplir toda la protección patentaria adecuada para dicho invento en todos los países.

Al comisionado de patentes y marcas se le solicita expedir la patente que puede otorgarse sobre dicho invento o parte del mismo a nombre de dicha empresa de conformidad con esta cesión.

Expedido en San Diego, California, el 30 de agosto de 2005.

Firmado: ALESSANDRO VANELI CORALLI

Expedido en Lausana, Suiza hoy 25 de abril de 2005.

(A continuación aparecen todas las firmas de los inventores arriba nombrados, que se fijaron en San Diego California en el

mes de agosto y septiembre de 2005, en las fechas 31 de agosto,
30 de agosto y 3 de agosto y 7 de septiembre)
REGISTRADO EL 8 DE SEPTIEMBRE DE 2005.

APOSTILLA

(CONVENCIÓN DE LA HAYA DEL 5 DE OCTUBRE DE 1961)

1. País: ESTADOS UNIDOS DE AMÉRICA

Este documento público

2. ha sido firmado por M.K.CARTER

3. quien actúa en su calidad de FUNCIONARIO CERTIFICADOR

4. lleva el sello/estampilla de la OFICINA DE MARCAS Y PATENTES

CERTIFICADO

5. en Washington, D.C. 6. el 4 de abril de 2007

7. por el funcionario asistente de autenticaciones, Departamento
de Estado de Estados Unidos

8. No. 07017675-9

9. Sello/estampilla

10. Firma: SONYA N. JONSON

WPCL002G ID 8814

COLO-14439-841-013-0

Bogotá, 11 de mayo de 2007

ESTADOS UNIDOS DE AMÉRICA
DEPARTAMENTO DE ESTADO
OFICINA DE MARCAS Y PATENTES

2007 MAY 11 PM 05:32

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SONYA N. JONSON

Eduardo Calado
Eduardo Calado
"TRADUCCIONES OFICIALES"
REG. - MARCA
Dec 31 de Febrero de 1970

ESTADOS UNIDOS DE AMÉRICA
DEPARTAMENTO DE ESTADO
OFICINA DE MARCAS Y PATENTES

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SONYA N. JONSON

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COMO NOTARIO SEXTO DEL CIRCULO DE SANTAFE DE
BOGOTÁ, HAGO CONSTAR QUE LA(S) FIRMA(S) DE
Eduardo Calado Noguera
COINCIDE(N) CON LA FIRMA REGISTRADA POR
EL(LOS) EN ESTA NOTARIA
SANTAFE DE BOGOTÁ, 11 MAY 2007



NO ASUME
RESPONSABILIDAD
DEL TEXTO

2007 MAY 11 P 12:35

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JEFE DE LEGITIMACIONES
BOGOTÁ D.C.

MINISTERIO DE
RELACIONES
EXTERIORES

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Eduardo Calado
CUYA FIRMA APARECE EN EL
DOCUMENTO DESEMPEÑA
LAS FUNCIONES INDICADAS