

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Vesuvius, Incorporated	03/06/2007
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11208262
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-658-5928
Email:	tbadet@qualcomm.com
Correspondent Name:	QUALCOMM, Inc.
Address Line 1:	5775 Morehouse Drive
Address Line 4:	San Diego, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	040819CIP5C1
NAME OF SUBMITTER:	Donald C. Kordich
Total Attachments: 9 source=040819CIP5C1_ASSIGN_08-08-07#page1.tif source=040819CIP5C1_ASSIGN_08-08-07#page2.tif source=040819CIP5C1_ASSIGN_08-08-07#page3.tif source=040819CIP5C1_ASSIGN_08-08-07#page4.tif source=040819CIP5C1_ASSIGN_08-08-07#page5.tif	

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PATENT

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REEL: 019664 FRAME: 0862

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D:QUALCOMM INCORPORATED COMPANY:5775 MOREHOUSE DRIVE

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**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 08, 2007

PTAS

500236142AQUALCOMM INCORPORATED
5775 MOREHOUSE DRIVE
SAN DIEGO, CA 92121-1714***500236142A***UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 03/08/2007

REEL/FRAME: 018972/0769
NUMBER OF PAGES: 5BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: VESUVIUS TO QUALCOMM ASN

ASSIGNOR:

VESUVIUS INCORPORATED

DOC DATE: 03/06/2007

ASSIGNEE:

QUALCOMM INCORPORATED
5775 MOREHOUSE DRIVE
SAN DIEGO, CALIFORNIA 92121-1714

SERIAL NUMBER: 10775539

FILING DATE: 02/10/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: COMMUNIQUE SYSTEM FOR MULTICASTING IN CELLULAR COMMUNICATION
NETWORKS

SERIAL NUMBER: 09638744

FILING DATE: 08/14/2000

PATENT NUMBER: 6594498

ISSUE DATE: 07/15/2003

D:QUALCOMM INCORPORATED COMPANY:5775 MOREHOUSE DRIVE

TITLE: COMMUNIQUE SYSTEM FOR CELLULAR COMMUNICATION NETWORKS

018972/0769 PAGE 2

SERIAL NUMBER: 09731674 FILING DATE: 12/06/2000
PATENT NUMBER: 7024200 ISSUE DATE: 04/04/2006
TITLE: COMMUNIQUE SYSTEM WITH ACTIVE FEEDBACK FOR CELLULAR COMMUNICATION NETWORKS

SERIAL NUMBER: 09736475 FILING DATE: 12/13/2000
PATENT NUMBER: 6907023 ISSUE DATE: 06/14/2005
TITLE: COMMUNIQUE SYSTEM WITH DYNAMIC BANDWIDTH ALLOCATION IN CELLULAR COMMUNICATION NETWORKS

SERIAL NUMBER: 09756057 FILING DATE: 01/08/2001
PATENT NUMBER: 6687498 ISSUE DATE: 02/03/2004
TITLE: COMMUNIQUE SYSTEM WITH NONCONTIGUOUS COMMUNIQUE COVERAGE AREAS IN CELLULAR COMMUNICATION NETWORKS

SERIAL NUMBER: 09756379 FILING DATE: 01/08/2001
PATENT NUMBER: 6684076 ISSUE DATE: 01/27/2004
TITLE: COMMUNIQUE SYSTEM WITH HIERARCHICAL COMMUNIQUE COVERAGE AREAS IN CELLULAR COMMUNICATION NETWORKS

SERIAL NUMBER: 09774955 FILING DATE: 01/31/2001
PATENT NUMBER: 6954641 ISSUE DATE: 10/11/2005
TITLE: COMMUNIQUE WIRELESS SUBSCRIBER DEVICE FOR A CELLULAR COMMUNICATION NETWORK

SERIAL NUMBER: 09773355 FILING DATE: 01/31/2001
PATENT NUMBER: 6829486 ISSUE DATE: 12/07/2004
TITLE: COMMUNIQUE SYSTEM FOR COMBINED CELLULAR AND WIRELINE COMMUNICATION NETWORKS

SERIAL NUMBER: 09853142 FILING DATE: 05/09/2001
PATENT NUMBER: 6741856 ISSUE DATE: 05/25/2004
TITLE: COMMUNIQUE SYSTEM FOR VIRTUAL PRIVATE NARROWCASTS IN CELLULAR COMMUNICATION NETWORKS

SERIAL NUMBER: 09902887 FILING DATE: 07/11/2001
PATENT NUMBER: 6681115 ISSUE DATE: 01/20/2004
TITLE: COMMUNIQUE SUBSCRIBER HANDOFF BETWEEN A NARROWCAST CELLULAR COMMUNICATION NETWORK AND A POINT-TO-POINT CELLULAR COMMUNICATION NETWORK

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

D:\QUALCOMM INCORPORATED COMPANY:5775 MOREHOUSE DRIVE

PATENT ASSIGNMENT

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03/08/2007
500236142

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Vesuvius Incorporated	03/06/2007
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1714
PROPERTY NUMBERS Total: 10	
Property Type	Number
Patent Number:	6594498
Patent Number:	7024200
Patent Number:	6907023
Patent Number:	6687498
Patent Number:	6684076
Patent Number:	6954641
Patent Number:	6829486
Patent Number:	6741856
Patent Number:	6681115
Application Number:	10775539
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.	
Phone:	858-651-6281
Email:	US-Docketing@qualcomm.com

500236142 03/08/2007 H3

D:QUALCOMM INCORPORATED COMPANY:5775 MOREHOUSE DRIVE

Correspondent Name: QUALCOMM Incorporated	
Address Line 1: 5775 Morehouse Drive	
Address Line 4: San Diego, CALIFORNIA 92121-1714	
ATTORNEY DOCKET NUMBER:	VESUVIUS TO QUALCOMM ASN
NAME OF SUBMITTER:	Sandip S. Minhas (Reg. No. 44,945)
Total Attachments: 3 source=Vesuvius_ASN_030807#page1.tif source=Vesuvius_ASN_030807#page2.tif source=Vesuvius_ASN_030807#page3.tif	

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JMG/HSD



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 30, 2001

DUFT, GRAZIANO & FOREST, P.C.
JAMES M. GRAZIANO
P.O. BOX 270930
LOUISVILLE, COLORADO 80027

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RECORDATION DATE: 01/31/2001

REEL/FRAME: 011516/0523
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MCKENNA, DANIEL B.

DOC DATE: 01/29/2001

ASSIGNOR:
GRAZIANO, JAMES M.

DOC DATE: 01/31/2001

ASSIGNEE:
VESUVIUS, INC.
1252 PINTAIL CIRCLE
BOULDER, COLORADO 80303

SERIAL NUMBER: 09774955
PATENT NUMBER:

FILING DATE: 01/31/2001
ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Date Entered: 5/8/01
Entered by: EW
Scriber: emol
APP:

PATENT
REEL: 019664 FRAME: 0868

02-21-2001

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



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**RECORDATION FORM COVER SHEET
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U.S. Patent
09/774955
01/31/01

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- ☐ Corrective Document
Reel # Frame #

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Month Day Year
- Name (line 2)

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- Name (line 1) Execution Date
Month Day Year
- Name (line 2)

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09774955

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PATENT
REEL: 019664 FRAME: 0869

Correspondent Name and Address

Area Code and Telephone Number (303) 379-1113

Name James M. Graziano

Address (line 1) Duft, Graziano & Forest, P.C.

Address (line 2) P.O. Box 270930

Address (line 3)

Address (line 4) Louisville, CO 80027

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2

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Patent Application Number(s)**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.Month Day Year
01 29 2001**Patent Cooperation Treaty (PCT)**Enter PCT application number
only if a U.S. Application Number
has not been assigned.PCT PCT PCT
PCT PCT PCT**Number of Properties**

Enter the total number of properties involved.

#

1

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Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

04-1697

Authorization to charge additional fees:

Yes

☒

No

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indicated herein.

James M. Graziano

Name of Person Signing

Signature

Date

Practitioner's Docket No. 9286/001c11**PATENT**

For: U.S. Rights and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Daniel B. McKenna
2650 Windward Way
Steamboat Springs, CO 80487
Nationality: United States

James M. Graziano
4662 Weld Country Road 34
Platteville, CO 80651
Nationality: United States

hereby sell, assign and transfer to

ASSIGNEE:

Vesuvius, Inc.
1252 Pintail Circle
Boulder, CO 80303

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

COMMUNIQUE WIRELESS SUBSCRIBER DEVICE FOR A CELLULAR COMMUNICATION NETWORK

and which is found in (37 C.F.R. Section 3.21) U.S. patent application executed on even date herewith and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

(Assignment of Invention—page 1 of 2)

PATENT**REEL: 019664 FRAME: 0871**

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: January 29, 2001


Signature of Daniel B. McKenna

Date: 31 January 2001


Signature of James M. Graziano

(Assignment of Invention--page 2 of 2)

PATENT

RECORDED: 08/08/2007

REEL: 019664 FRAME: 0872