

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE: Qwest Communications International Inc. previously recorded on Reel 015199 Frame 0624. Assignor(s) hereby confirms the ASSIGNEE: Qwest Communications International Inc. (Patent Prosecution).										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Bruce A. Phillips</td><td>03/19/2004</td></tr><tr><td>Steven M. Casey</td><td>03/19/2004</td></tr><tr><td>Donald L. Brodigan</td><td>03/19/2004</td></tr></tbody></table>		Name	Execution Date	Bruce A. Phillips	03/19/2004	Steven M. Casey	03/19/2004	Donald L. Brodigan	03/19/2004		
Name	Execution Date										
Bruce A. Phillips	03/19/2004										
Steven M. Casey	03/19/2004										
Donald L. Brodigan	03/19/2004										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Qwest Communications International Inc.</td></tr><tr><td>Street Address:</td><td>1801 California Street</td></tr><tr><td>City:</td><td>Denver</td></tr><tr><td>State/Country:</td><td>COLORADO</td></tr><tr><td>Postal Code:</td><td>80202</td></tr></table>		Name:	Qwest Communications International Inc.	Street Address:	1801 California Street	City:	Denver	State/Country:	COLORADO	Postal Code:	80202
Name:	Qwest Communications International Inc.										
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Postal Code:	80202										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10715879</td></tr></tbody></table>		Property Type	Number	Application Number:	10715879						
Property Type	Number										
Application Number:	10715879										
CORRESPONDENCE DATA											
Fax Number: (415)576-0300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 303-571-4000											
Email: djgibby@townsend.com											
Correspondent Name: Townsend and Townsend and Crew LLP											
Address Line 1: Two Embarcadero Center											
Address Line 2: 8th Floor											
Address Line 4: San Francisco, CALIFORNIA 94111-3834											
NAME OF SUBMITTER:	Darin J. Gibby										
Total Attachments: 6											

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PATENT
REEL: 016275 FRAME: 0038

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020366-089800V
G2B, DE
OCT 12 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

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

SEPTEMBER 30, 2004

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
IRVIN E. BRANCH
TWO EMBARCADERO CENTER, EIGHTH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834



102721117A

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/12/2004

REEL/FRAME: 015199/0624

NUMBER OF PAGES: 4

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

ASSIGNOR:

PHILLIPS, BRUCE A.

DOC DATE: 03/19/2004

ASSIGNOR:

CASEY, STEVEN M.

DOC DATE: 03/19/2004

ASSIGNOR:

BRODIGAN, DONALD L.

DOC DATE: 03/19/2004

ASSIGNEE:

QWEST COMMUNICATIONS INTERNATIONAL
INC (PATENT PROSECUTION)
1801 CALIFORNIA STREET
DENVER, COLORADO 80202

636

015199/0624 PAGE 2

SERIAL NUMBER: 10715879

FILING DATE: 11/17/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: FIBER OPTIC INTERNET PROTOCOL NETWORK INTERFACE DEVICE AND METHODS
AND SYSTEMS FOR USING THE SAME

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-14-2004

Attorney Docket No. 020366-089800US

Form PTO-1595

(Rev. 10-02)

OMB No. 0651-0027 (exp. 5/31/2002)



102721117

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

Tab settings ⇨ ⇨ ⇨ ▼

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Bruce A. Phillips

4.12.04

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No.

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:Execution Date: March 19, 2004

2. Name and address of receiving party(ies)

Name: Qwest Communications International Inc (Patent Prosecution)

Internal Address:

Street Address: 1801 California Street

City: Denver

State: CO

ZIP: 80202

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. 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:

A. Patent Application No(s): 10/715,879

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Irvin E. Branch
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Irvin E. Branch

Name of Person Signing
Atty. Reg. No. 42,358

Signature

April 8, 2004

Date

Total number of pages including cover sheet, attachments and documents: 4

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

04/13/2004 ECOOPER 00000116 201430 10715879

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PATENT
REEL: 016275 FRAME: 0042

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

<u>Name</u>	<u>Execution Date</u>
Steven M. Casey	March 19, 2004
Donald L. Brodigan	March 19, 2004

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Bruce A. Phillips of 1342 Washburn Street, Erie, CO 80516; Steven M. Casey of 6265 West Sumac Avenue, Littleton, CO 80123; Donald L. Brodigan of 6281 West 110th Avenue, Broomfield, CO 80020 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: FIBER OPTIC INTERNET PROTOCOL NETWORK
INTERFACE DEVICE AND METHODS AND SYSTEMS
FOR USING THE SAME

Date(s) of execution of Declaration: March 19, 2004

Filing Date: November 17, 2003

Application No.: 10/715,879; and

WHEREAS, Qwest Communications International Inc (Patent Prosecution), a corporation of the state of Colorado, located at Qwest Law Department, 1801 California, Suite 90, , Denver, CO 80202, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

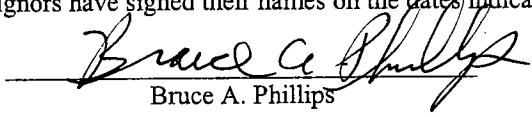
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 03-19-04

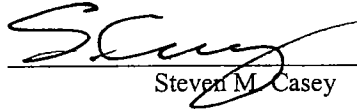

Bruce A. Phillips

Assignment

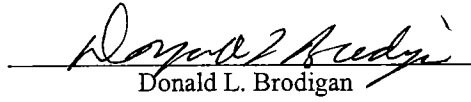
Attorney Docket No.: 020366-089800US

Page 2

Dated: 3/19/04


Steven M. Casey

Dated: 3-19-04


Donald L. Brodigan

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