

12-10-1998

Atty. Docket No.: 1554 (USW 0464 PUS)



100916600

FORM PTO-1595
(Modified)

RECORDED

JEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

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 Paula C. Poberzyn
 Darwei Kung Richard H. Fink
 Todd A. Pett Donald L. Brodigan
 David J. Arens

2. Name and address of receiving party(ies):

Name: US West, Inc.Internal Address: (Same as Street Address)Street Address: 1801 California Street, Suite 5100City: Denver State: CO Zip: 80202Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 11/24/98 and 11/30/98

4. Application number(s) or patent number(s):

09/203,086

If this document is being filed together with a new application, the execution date of the application is: Concurrent herewith

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Peter J. Kinsella, Esq.Address: 1801 California Street, Suite 5100City: Denver State: CO ZIP: 802026. Total number of applications and patents involved: 17. Total Fee (37 C.F.R. § 3.41) \$ 40.00☐ Enclosed☒ Authorized to be charged to Deposit Account8. Deposit Account Number: US West, Inc. Deposit Account No. 21-0456

(Attach duplicate copy of this page if paying by Deposit Account)

DO NOT USE THIS SPACE

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.

Ralph E. Smith

Name of Person Signing

Signature

December 1, 1998

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:
 Box Assignments, Hon. Commissioner of Patents and Trademarks
 Washington, D.C. 20231

PATENT
 REEL: 9622 FRAME: 0220

ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, **BRUCE A. PHILLIPS**, of 9165 S. Mountain Brush Court, Highlands Ranch, Colorado 80126, **DARWEI KUNG**, of 15149 E. Princeton Pl., #F, Aurora, Colorado 80014, **TODD A. PETT**, 2318 22nd Avenue, Longmont, Colorado 80503, **DAVID J. ARENS**, of 9225 S. Mountain Brush Court, Highlands Ranch, Colorado 80126, **PAULA C. POBERZYN**, 1425 East Hermosa Drive, Highlands Ranch, Colorado 80126, **RICHARD H. FINK**, 4129 S. Ireland Court, Aurora, Colorado 80013, and **DONALD L. BRODIGAN**, 6281 W. 110th Avenue, Broomfield, Colorado 80020, respectively, do hereby assign, sell and set over to **US WEST, INC.**, a corporation organized and existing under the laws of the State of Delaware and having a place of business at 1801 California Street, Suite 5100, Denver, Colorado 80202, hereinafter referred to as the **ASSIGNEE**, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

**SYSTEM AND METHOD FOR INCREASING DISTRIBUTION
DISTANCE OF XDSL TYPE SIGNALS**

set forth in the application for United States Letters Patent, executed by us on the dates specified below, including the right of said **ASSIGNEE**, its successors, assigns or other legal representatives respectively, to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said **ASSIGNEE**, its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said **ASSIGNEE**, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over

And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

11-24-98
DATE

Bruce A. Phillips
BRUCE A. PHILLIPS

11-24-98
DATE

Darwei Kung
DARWEI KUNG

11/30/98

DATE

Todd A. Pett

TODD A. PETT

11/24/98

DATE

David J. Arens

DAVID J. ARENS

11/24/98

DATE

Paula C. Poberzyn

PAULA C. POBERZYN

11-24-98

DATE

Richard H. Fink

RICHARD H. FINK

11-24-98

DATE

Donald L. Brodigan

DONALD L. BRODIGAN

STATE OF

Colorado

)

COUNTY OF

Arapahoe

) ss.

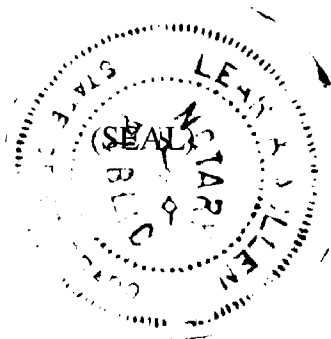
)

On this 24th day of November, 1998, personally appeared before me **BRUCE A. PHILLIPS**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

Bruce A. Phillips

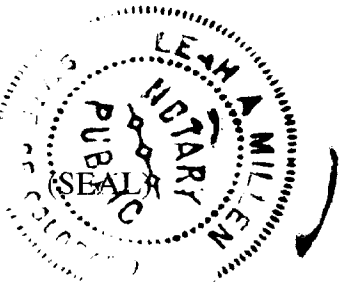
Notary Public

My Commission expires: 2/9/2002



STATE OF Colorado)
) ss.
COUNTY OF Arapahoe)

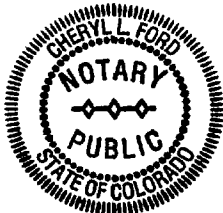
On this 24th day of November, 1998, personally appeared before me **DARWEI KUNG**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.



Leah A. Miller
Notary Public
My Commission expires: 2/9/2002

STATE OF Colorado)
) ss.
COUNTY OF Boulder)

On this 30 day of November, 1998, personally appeared before me **TODD A. PETT**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.



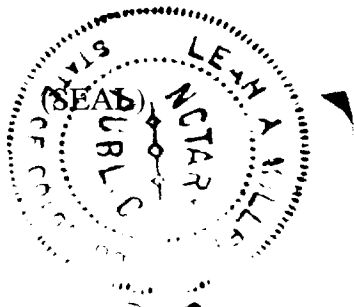
Cheryl L. Ford
Notary Public
My Commission expires: 11-27-99

(SEAL)

MY COMMISSION EXPIRES
NOVEMBER 27, 1999

STATE OF Colorado)
) ss.
COUNTY OF Arapahoe)

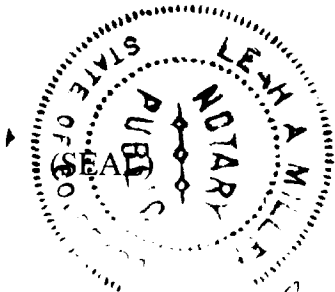
On this 24th day of November, 1998, personally appeared before me **DAVID J. ARENS**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.



Leah A. Miller
Notary Public
My Commission expires: 2/9/2002

STATE OF Colorado)
) ss.
COUNTY OF Arapahoe)

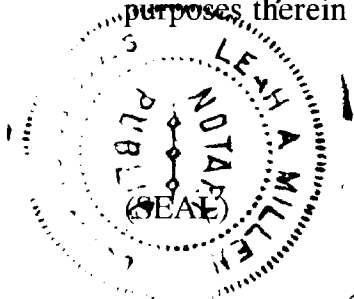
On this 24th day of November, 1998, personally appeared before me **PAULA C. POBERZYN**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.



Paula C. Miller
Notary Public
My Commission expires: 2/9/2002

STATE OF Colorado)
) ss.
COUNTY OF Arapahoe)

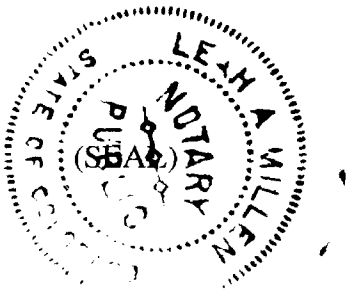
On this 24th day of November, 1998, personally appeared before me **RICHARD H. FINK**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.



Paula C. Miller
Notary Public
My Commission expires: 2/9/2002

STATE OF Colorado)
) ss.
COUNTY OF Arapahoe)

On this 24th day of November, 1998 personally appeared before me **DONALD L. BRODIGAN**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.



Paula C. Miller
Notary Public
My Commission expires: 2/9/2002