

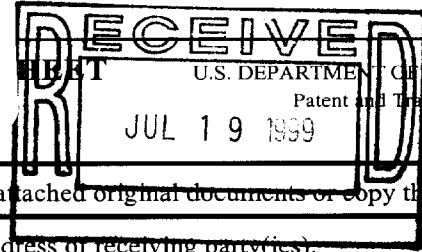
07-26-1999

FORM PTO-1595  
(Modified)

R



101101345



MED 7-19-99

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

1. Name of conveying party(ies):  
Joseph P. Huggins;  
James W. Nevelle;  
Bruce A. Phillips;  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies).  
Name: U S WEST, Inc.  
Internal Address: Law Department  
  
Street Address: 1801 California Street  
Suite 5100  
City: Denver State: CO Zip: 80202  
Additional name(s) & address(es) attached?  Yes  No

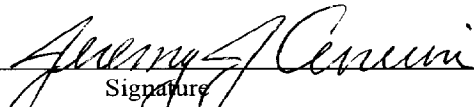
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: 5/27/99; 7/9/99; and 06/02/99

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) 09/283,792 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 Kinsella  
Address: U S WEST, Inc.  
Law Department, 1801 California Street, Suite 5100  
City: Denver State: CO ZIP: 80202

6. Total number of applications and patents involved: One  
7. Total Fee (37 C.F.R. § 3.41) ..... \$ 40.00  
 Enclosed  
 Authorized to be charged to Deposit Account  
8. Deposit Account Number: U S West Acct. 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.  
Jeremy J. Curcuri  July 14, 1999  
Name of Person Signing Signature Date

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

07/23/1999 DNGUYEN 00000258 210456 09283792

01 FC:581 40.00 CH

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

Attorney Docket No. 1582 (USW 0501 PUS)

**ASSIGNMENT**

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, JOSEPH P. HUGGINS residing at 5529 East Wickerdale Lane, Highlands Ranch, CO 80126, JAMES W. NEVELLE residing at 9688 S. Biltmore Way, Highlands Ranch, CO 80126, and BRUCE A. PHILLIPS residing at 9165 S. Mountain Brush Court, Highlands Ranch, CO 80126, respectively, do hereby assign, sell and set over to U S 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, Denver, Colorado 80202, U.S.A., 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

**BROADBAND COMMUNICATION SYSTEM AND METHOD**

set forth in the application for United States Letters Patent, Serial No. 09/283,792, filed April 1, 1999, including the right of said ASSIGNEE, its successors, assigns or other legal representatives 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.

5-27-99  
DATE

Joseph P. Huggins  
JOSEPH P. HUGGINS

\_\_\_\_\_  
DATE

\_\_\_\_\_  
JAMES W. NEVELLE

06-02-99  
DATE

Bruce A. Phillips  
BRUCE A. PHILLIPS

Attorney Docket No. 1582 (USW 0501 PUS)

STATE OF COLORADO )  
 ) ss.  
COUNTY OF ARAPAHOE

On this 27 day of MAY, 1999, personally appeared before me JOSEPH P. HUGGINS, to me known to be the person named in and who executed the above instrument, and acknowledged that he/she executed the same for the uses and purposes therein mentioned.



Sandra K. Huber  
Notary Public  
My Commission expires:

(SEAL)

STATE OF )  
 ) ss.  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared before me JAMES W. NEVELLE, to me known to be the person named in and who executed the above instrument, and acknowledged that he/she executed the same for the uses and purposes therein mentioned.

\_\_\_\_\_  
Notary Public  
My Commission expires:

(SEAL)

STATE OF Colorado )  
 ) ss.  
COUNTY OF Arapahoe )

On this 2nd day of June, 1999, 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/she executed the same for the uses and purposes therein mentioned.

Bruce A. Phillips  
Notary Public  
My Commission expires:

(SEAL)

**ASSIGNMENT**

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, JOSEPH P. HUGGINS residing at 5529 East Wickerdale Lane, Highlands Ranch, CO 80126, JAMES W. NEVELLE residing at 9688 S. Biltmore Way, Highlands Ranch, CO 80126, and BRUCE A. PHILLIPS residing at 9165 S. Mountain Brush Court, Highlands Ranch, CO 80126, respectively, do hereby assign, sell and set over to U S 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, Denver, Colorado 80202, U.S.A., 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

**BROADBAND COMMUNICATION SYSTEM AND METHOD**

set forth in the application for United States Letters Patent, Serial No. 09/283,792, filed April 1, 1999, including the right of said ASSIGNEE, its successors, assigns or other legal representatives 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.

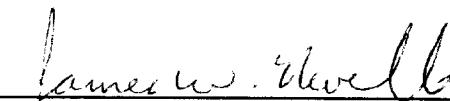
And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

\_\_\_\_\_  
DATE

7-9-99

\_\_\_\_\_  
DATE

\_\_\_\_\_  
JOSEPH P. HUGGINS

  
\_\_\_\_\_  
JAMES W. NEVELLE

\_\_\_\_\_  
BRUCE A. PHILLIPS

STATE OF )  
 ) ss.  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared before me JOSEPH P. HUGGINS, to me known to be the person named in and who executed the above instrument, and acknowledged that he/she executed the same for the uses and purposes therein mentioned.

(SEAL)

\_\_\_\_\_  
Notary Public  
My Commission expires:

STATE OF *Colorado* )  
 ) ss.  
COUNTY OF *Arapahoe* )

On this 9 day of July, 1999, personally appeared before me JAMES W. NEVELLE, to me known to be the person named in and who executed the above instrument, and acknowledged that he/she executed the same for the uses and purposes therein mentioned.

(SEAL)

*Rozanne M. Girone*

\_\_\_\_\_  
Notary Public  
My Commission expires:

**My Commission Expires  
September 29, 2002  
17101 East Ohio Drive  
Aurora, Colorado 80017**

STATE OF )  
 ) ss.  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, 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/she executed the same for the uses and purposes therein mentioned.

(SEAL)

\_\_\_\_\_  
Notary Public  
My Commission expires: