

04-29-1999

FORM PTO-1595
(Modified)

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HEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Louis K. Tsai and Ying-li Wu

m rd 4-9-99

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: April 7, 1999

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: April 7, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/289495

Additional numbers attached? Yes No

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

Name: Peter J. 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: 1

7. Total Fee (37 C.F.R. § 3.41) \$ _____

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.

Stephanie M. Mansfield

Stephanie M. Mansfield

April 9, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

04/28/1999 DNGUYEN 00000106 210456 09289495

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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: 9908 FRAME: 0925

ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, Louis K. Tsai residing at 13356 Lafayette Way, Thornton, CO 80241, and Ying-li Wu residing at 1416 Begonia Way, Superior, CO 80027, 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


SYSTEM AND METHOD OF TESTING VOICE SIGNALS IN A TELECOMMUNICATION SYSTEM

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 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.

4/7/1999
DATE


Louis K. Tsai

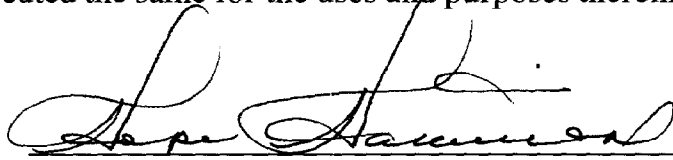
4/7/1999
DATE


Ying-li Wu

STATE OF Colorado)
COUNTY OF Boulder) ss.

On this 7 day of April, 1999, personally appeared before me Louis K. Tsai, 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)

HOPE HAMILTON
Notary Public, State of Colorado
County of Boulder
My Commission Expires July 31, 2001

STATE OF Colorado)

COUNTY OF Boulder) ss.

On this 7 day of April, 1999, personally appeared before me Ying-li Wu, 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)

HOPE HAMILTON
Notary Public, State of Colorado
County of Boulder
My Commission Expires July 31, 2001