FORM PTO-1585

RE(

08-17-1999



101119595

T

To the Honorable Commissioner of Patents & Trademarks: Please record the attached original documents or copy thereof 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Justin Che-I Chuang Xiaoxin Qiu Name: <u>AT&T</u> Corp. Additional name(s) of conveying parties attached? ☐ Yes ☑ No Street Address: 32 Avenue of the Americas City: New York, N.Y. 10013 3. Nature of conveyance: Country: United States of America ■ Assignment □ Merger □ Security Agreement □ Change of Name Additional name(s) & address(es) attached? □ Yes Ø No □ Other: Execution date: August 6, 1999 4. Application numbers or patent numbers: If this document is being filed together with a new application, the execution date of the application is: August 6, 1999. A. Patent Applications B. Patent No.(s) To Be Assigned Additional Numbers attached? □ Yes

No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Frank Pietrantonio 7. Total fee (37 C.F.R. 3.41) \$ 40.00 Internal Address: KENYON & KENYON □ Enclosed Street Address: 1500 K Street NW Authorized to be charged to deposit account City: Washington State: DC ZIP: 20005 8. Deposit account number: 09370770 08/17/1999 DCDATES 00000016 110600 11-0600 40.00 CH 01 FC 581

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.

John J. Skinner, Jr. (Reg. No. 42,153)

Name of Person Signing

Signature .

8/9/99 Date

Total Number of pages including cover sheet, attachments and document: 4

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

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

Hon. Commissioner of Patents & Trademarks

Box Assignments

Washington DC 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information Systems, PK2-1000C, Washington D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0605-0011), Washington, D.C. 20503

Express Mail No.: EL179955906US

DØ6

ASSIGNMENT AND AGREEMENT

For value received, we:

to the United States for said inventions.

15:43

Justin Che-I Chuang, of 15 Bryce Road, Holmdel, New Jersey;

Xiaoxin Qiu, of 2111 Knollwood Drive, Middletown, New Jersey; hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York. having an office at 32 Avenue of the Americas, New York, New York 10013-2412, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to LINKADAPTATION IN WIRELESS DATA NETWORKS FOR THROUGHPUT MAXIMIZATION UNDER RETRANSMISSIONS described in an application for Letters Patent of the United States which was filed on August 10, 1998 and assigned U.S. Patent Application serial number 60/096,006, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all

We authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

forms of protection, including Letters Patent, that may be granted in said countries foreign

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to AT&T Corp, in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate,

We agree that, when requested, we shall, without charge to AT&T Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

)

Justin Che-I Chuang

Date: August 6 1999

United States of America

State of New Ferency)88:

County of Monmouth)

On this 6th day of August, 1999, before me personally came Justin Che. 1 Chuang to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

D. E. WORKMAN-WILLIAMS

MY COMMISSION EXPIRES

05-27-2002

Notary Public



P08

Date: 8/0/99

United States of America

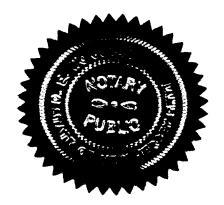
New Jersey) ss:

County of Monmouth

On this 6th day of August 1999, before me personally came Xiao fin 610 to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

KENYON - KENYON → 5#113297#17323453038

D. E. WORKMAN-WILLIAMS MY COMMISSION EXPIRES



-3-

NY01 210926 v 1