

FORM PTO-1585

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1. Name of conveying party(ies):

Justin Che-I Chuang
Xiaoxin Qiu

Additional name(s) of conveying parties attached? Yes No

2. Name and address of receiving party(ies)

Name: AT&T Corp.
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City: New York, N.Y. 10013
Country: United States of America

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger
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 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

To Be Assigned

B. Patent No.(s)

09/370770

Additional Numbers attached? Yes No

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

Name: Frank Pietrantonio
Internal Address: KENYON & KENYON
Street Address: 1500 K Street NW
City: Washington State: DC ZIP: 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$ 40.00

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 Authorized to be charged to deposit account

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ASSIGNMENT AND AGREEMENT

For value received, we:

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 forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

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.

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
Justin Che-I Chuang

Date: August 6, 1999

United States of America)

State of New Jersey)ss:

County of Monmouth)

On this 6th day of August, 1999, before me personally came Justin Che-I 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

D. E. Workman-Williams
Notary Public





 Xiaoxin Qiu

Date: 8/6/99

United States of America)


State of New Jersey)ss:

County of Monmouth)

On this 6th day of August, 1999, before me personally came Xiaoxin Qiu, 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

