

01-12-2001



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PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copy thereof. **Attorney Docket No. Cao 21****1. Name of conveying party(ies):**

Yang Cao and Antonio Zuniga

Additional name(s) of conveying party(ies) attached? ___ Yes x No**2. Name and address of receiving party:**

Name: Lucent Technologies, Inc.

Street Address: 600 Mountain Avenue

City: Murray Hill

State: New Jersey

Zip: 07974-0636

3. Nature of conveyance: Assignment

Execution Date: July 5 and July 18, 2000

9/619827

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: July 20, 2000

A. Patent Application No.(s)

B. Patent No. (s)

Additional numbers attached? ___ Yes X No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: James W. Wiegand
 Street Address: James W Wiegand, Esq
 190 Babcock Street
 City: Brookline
 State: MA Zip: 02446

6. Total number of applications and patents involved? 1

7. Total fee (37 CFR 3.41) \$40.00
 ___ Enclosed
X Authorized to be charged to
 deposit account no. 12-2325
 (attach duplicate copy of this page)

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.

James W. Wiegand
Name of Person Signing

Signature

Date 07/20/00

ASSIGNMENT AND AGREEMENT

For value received, I, **Yang Cao**, of **Bradford**, in the County of **Essex** and State of **Massachusetts**, and I, **Antonio Zuniga**, of **Arlington**, in the County of **Suffolk**, and State of **Massachusetts**, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, 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 **APPARATUS AND METHOD FOR HYBRID TELECOMMUNICATIONS SWITCHING** described in an application for Letters Patent of the United States, executed by me of even date herewith, 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 I also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. 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.

I authorize Lucent Technologies Inc. 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I 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 Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. they may designate.

I agree that, when requested, I shall, without charge to Lucent Technologies Inc. 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.

Yang Cao
Yang Cao

Date: July 5, 2000

United States of America)

State of Mass) ss.:

City of North Andover

On this 5th day of July, 2000, before me personally came **Yang Cao**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jacqueline E. LaPorte
 Notary Public

JACQUELINE E. LaPORTE
 Notary Public

My Commission Expires October 23, 2003

I agree that, when requested, I shall, without charge to Lucent Technologies Inc. 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.

Lucent Technologies Inc.
 600 Mountain Avenue (Room 3C-512)
 P. O. Box 636
 Murray Hill, New Jersey 07974-0636

I agree that, when requested, I shall, without charge to Lucent Technologies Inc. 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.

Antonio Zuniga

Antonio Zuniga

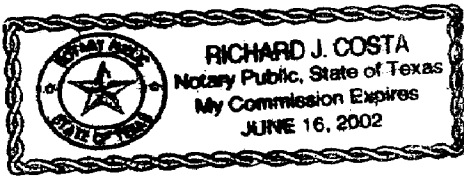
Date: 7/18/00

United States of America)

State of TEXAS) ss.: 225 - 45 - 3426

City of HOUSTON)

On this 18th day of July, 20 00, before me personally came **Antonio Zuniga**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Richard J. Costa
Notary Public

I agree that, when requested, I shall, without charge to Lucent Technologies Inc. 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.

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