

07-26-2002

FORM PTO-1595  
(Rev. 03.01)  
OMB No. 0651-0027 (exp. 5/31/2002)

RE



EET U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102169020

Tab settings ⇨⇨⇨

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

1. Name of conveying party(ies):

Hsuan-Jung Su  
Qinqing Zhang

07/18/02

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: June 13, 2002

2. Name and address of receiving party(ies)

Name: Lucent Technologies, Inc.

Internal Address: \_\_\_\_\_

Street Address: 600 Mountain Avenue

City: Murray Hill State: NJ Zip: 07974-0636

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

1105P U.S. PTO  
10/198597



07/18/02

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: June 13, 2002 ~~July 18, 2002~~ :

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

107198517

Additional numbers attached?  Yes  No

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

Name: Andrew A. Noble

Internal Address: \_\_\_\_\_

Street Address: Troutman Sanders LLP,

600 Peachtree Street, N.E., Suite 5200

City: Atlanta State: GA Zip: 30308

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

20-1507

DO NOT USE THIS SPACE

9. Signature.

Andrew A. Noble, Reg. No. 48,651  
Name of Person Signing

Signature

7/18/2002  
Date

Total number of pages including cover sheet, attachments, and documents:

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

07/24/2002 MBELETE1 00000019 10198597

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40.00 DP

PATENT  
REEL: 013112 FRAME: 0595

**ASSIGNMENT AND AGREEMENT**

For value received, I **Hsuan-Jung Su**, in the County of Monmouth and State of **New Jersey**, 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 **METHODS AND DEVICES FOR PARTIAL UPPER LAYER FRAME LOSS DETECTION BASED RETRANSMISSION** as described in the specification forming part of an application for Letters Patent of the United States, 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 us, 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. 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.

I acknowledge that this Agreement shall be the governing Agreement between us and Lucent Technologies, Inc.

UNITED STATES OF AMERICA

Hsuan-Jung Su 6/13/2002  
**Hsuan-Jung Su**

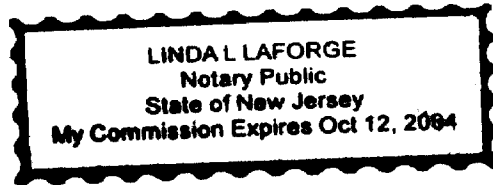
State of New Jersey )  
 ):ss  
County of Monmouth )

On this 13<sup>th</sup> day of June, 2002, before me personally came **Hsuan-Jung Su**, known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Linda L. LaForge  
Notary Public

Linda L. LaForge  
Printed Name

Oct. 12, 2004  
My Commission Expires



**Lucent Technologies, Inc.**  
**600 Mountain Avenue (Room 3C-512)**  
**P. O. Box 636**  
**Murray Hill, New Jersey 07974-0635**

**ASSIGNMENT AND AGREEMENT**

For value received, I **Qinqing Zhang**, in the County of Monmouth and State of **New Jersey**, 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 **METHODS AND DEVICES FOR PARTIAL UPPER LAYER FRAME LOSS DETECTION BASED RETRANSMISSION** as described in the specification forming part of an application for Letters Patent of the United States, 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 us, 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. may designate.

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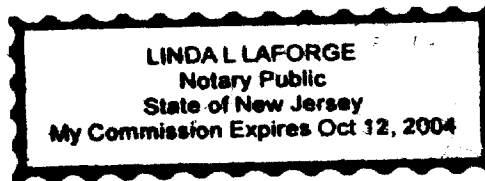
UNITED STATES OF AMERICA

*[Signature]* 6/13/2002  
Qinqing Zhang

State of New Jersey )  
  ):ss  
County of Monmouth )

On this 13<sup>th</sup> day of June, 2002, before me personally came **Qinqing Zhang**, known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Linda L. LaForge*  
Notary Public  
Linda L. LaForge  
Printed Name  
Oct. 12, 2004  
My Commission Expires



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