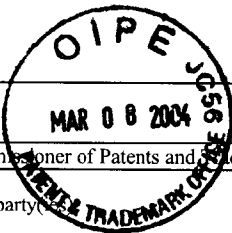


03-15-2004

Chua 78-73-26-23

U.S. Department of Commerce
Patent and Trademark Office

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



102693367

To the Honorable Commissioner of Patents and Trademarks: Please receive 102693367 thereof.

1. Name of conveying party:
Mooi Choo Chuah
Randy C. Giles
Xiang Liu
Muhammad A. Qureshi

3.8-04

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

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) & address(es) attached? Yes No

Execution Date: **Chuah 1/14/04; Giles 2/2/04; Liu 1/14/04; Qureshi 1/16/04**

4. Application number(s) or registration number(s):
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s) 10/725,342
B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Eamon J. Wall
Internal Address: MOSER, PATTERSON & SHERIDAN, LLP
Street Address: 595 Shrewsbury Avenue, Suite 100
City: Shrewsbury State: NJ Zip: 07702

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. 3.41)----- \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
20-0782

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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.
EAMON J. WALL EJWall 3/4/04
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and document: 6

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

03/12/2004 LMUELLER 00000038 200782 10725342

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ASSIGNMENT AND AGREEMENT

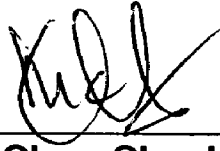
For value received, we, **Mooi Choo Chuah of Marlboro in the County of Monmouth and State of New Jersey, Randy C. Giles of Whippany in the County of Morris and State of New Jersey, Xiang Liu of Marlboro in the County of Monmouth and State of New Jersey, and Muhammad A. Qureshi of Green Brook in the County of Somerset 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 **METHOD AND APPARATUS FOR ROUTING MESSAGES IN HYBRIDIZED OPTICAL/WIRELESS NETWORKS** described in an application for Letters Patent of the United States, filed in the United States Patent & Trademark Office on December 1, 2003 as application Serial No. 10/725,342, 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 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.

We 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.

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 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.

We 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.

We agree that, when requested, we 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.



Mooi Choo Chuah

Date: 1/14/04

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 14th day of January, 2004, before me personally came **Mooi Choo Chuah**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

TAMIKA R. GATSON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 5/16/2005

Randy C. Giles
Randy C. Giles

Date: February 2, 2004

United States of America)

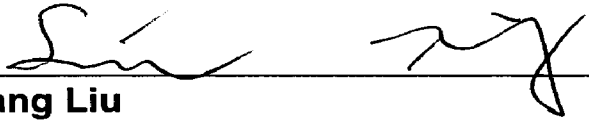
State of New Jersey) ss.:

County of Monmouth)

On this 2nd day of February, 2004, before me personally came **Randy C. Giles**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sharon L. Lobosco
Notary Public

SHARON L. LOBOSCO
Notary Public, State of New Jersey
No. 2278076
Qualified in Ocean County
Commission Expires August 14, 2006



Xiang Liu

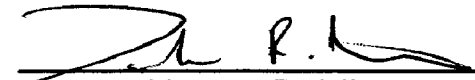
Date: 1/14/04

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 14th day of January, 2004, before me personally came **Xiang Liu**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

TAMIKA E. CATSON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 5/16/2005



Muhammad A. Qureshi


Date: 01/16/04

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 16th day of January, 2004, before me personally came **Muhammad A. Qureshi**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

SHARON L. LOBOSCU
Notary Public, State of New Jersey
No. 22780761
Qualified in Great Falls
Commission Expires 01/16/2006

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