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

1. Name of conveying party(ies):
   Raghavan Anand, Hui-Ling Lou and Christine Irene Podilchuk

2. Name and address of receiving party(ies)
   Name: Lucent Technologies Inc.
   Internal Address:
   Street Address: 600 Mountain Avenue
   P.O. Box 636
   City: Murray Hill  State: NJ  ZIP: 07974-0636

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

   Execution Dates: 1/8/01, 1/4/01 and 1/4/01

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:
   A. Patent Application No.(s)  B. Patent No.(s)
   09/680,709

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Joseph B. Ryan
   Internal Address: Ryan, Mason & Lewis, LLP
   Street Address: 90 Forest Avenue
   City: Locust Valley  State: NY  ZIP: 11560

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

8. Deposit account number 12-2325

**DO NOT USE THIS SPACE**

   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.

Joseph B. Ryan  January 11, 2001
Reg. No. 37,922  Signature  Date

Total number of pages including cover sheet, attachments, and document: 5

Anand 2-17-16

Commissioner of Patents and 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, DC, 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.
ASSIGNMENT AND AGREEMENT

For value received, we, Raghavan Anand, of Berkeley in the County of Alameda and State of California, Hui-Ling Lou, of Murray Hill in the County of Union and State of New Jersey, and Christine Irene Podilchuk, of Bridgewater 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 VIDEO TRANSMISSION OVER A HETEROGENEOUS NETWORK USING PROGRESSIVE VIDEO CODING described in application Serial No. 09/680,709 for Letters Patent of the United States, filed October 6, 2000, 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 me, 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.

Raghavan Anand

Date: 1/8/01

United States of America )

State of California ) ss.: 

County of Alameda )

On this _____ day of ________, 20____, before me personally came Raghavan Anand, to
me known to be the individual described in and who executed the foregoing instrument, and
acknowledged execution of the same.

______________________________
Notary Public
Date: Jan 4, 2016

United States of America

State of New Jersey

County of Union

On this 4th day of Jan, 2016, before me personally came Hui-Ling Lou, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

ANGELINA CAGLIOSTRO
A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 1/21/2016
Date: 1/1/01

United States of America  
State of New Jersey  
County of Union  

On this 12th day of January, 2001, before me personally came Christine Irene Podilchuk, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public

ANGELINA CAGLIOSTRO
A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 1/21/2004

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

RECORDED: 01/11/2001