

04-02-1999

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

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



101004102

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

1. Name of conveying party(ies):  
Pervez M. Aziz, Ian M. Hughes,  
Patrick M. Kempsey and Srinivasan Surendran  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

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

PTO  
09/27/08  
03/18/99

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

Execution Date: 03/16/99; 03/18/99

3-16-99  
MAD

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: 03/16/99; 03/18/99

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

09-272089

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

Name: Steve Mendelsohn  
Internal Address: Mendelsohn & Associates, P.C.  
Street Address: 1601 Market Street  
Suite 2330  
City: Philadelphia State: PA ZIP: 19103

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:  
12-2325  
(attach duplicate copy of this page if paying by deposit account)

04/01/1999 DNGUYEN 00000320 122325 09272089  
01 FC:581 (40.00 CH)

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.*

Ian M. Hughes  
Name of Person Signing

*Ian M. Hughes*  
Signature

March 18, 1999  
Date

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

Aziz 2-1-3-2 Mail documents to be recorded with required cover sheet information to:  
990.0163 Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

Send All Correspondence To Customer No.: 22186

PATENT  
REEL: 9849 FRAME: 0639

## ASSIGNMENT AND AGREEMENT

For value received, I, as a below-named inventor:

Pervez M. Aziz of Allentown in the County of Lehigh and State of Pennsylvania,  
Ian M. Hughes of Malvern in the County of Chester and State of Pennsylvania,  
Patrick W. Kempsey of Catasauqua in the County of Lehigh and State of Pennsylvania,  
Srinivasan Surendran of Whitehall in the County of Lehigh and State of Pennsylvania,

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 **General Rate  $N/(N+1)$  (0,G) Code Construction For Data Coding** described in an application for Letters Patent of the United States, identified using the same Attorney Docket No., 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. 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.

*Pervez M. Aziz*

Pervez M. Aziz

Date: 3/16/99

United States of America )

State of *Pennsylvania* ) ss.:

County of *Lehigh* )

On this 16<sup>th</sup> day of March, 1999, before me personally came Pervez M. Aziz, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Mary Ellen Dobish*  
Notary Public

Notarial Seal  
Mary Ellen Dobish, Notary Public  
Allentown, Lehigh County  
My Commission Expires Nov. 6, 2000  
Member, Pennsylvania Association of Notaries

Ian M. Hughes  
Ian M. Hughes

Date: March 18, 1999

United States of America )

State of Pennsylvania ) ss.:

County of Philadelphia )

On this 18<sup>th</sup> day of March, 19 99, before me personally came Ian M. Hughes, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Catherine A. Nettles

NOTARIAL SEAL  
CATHERINE A. NETTLES, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires Oct. 22, 2001

*Patrick W. Kempsey*  
Patrick W. Kempsey

Date: 3-16-99

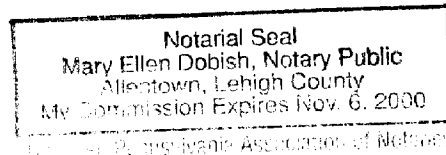
United States of America )

State of *Pennsylvania* ) ss.:

County of *Lehigh* )

On this 16<sup>th</sup> day of March, 1999, before me personally came Patrick W. Kempsey, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Mary Ellen Dobish*  
Notary Public



Srinivasan Surendran  
Srinivasan Surendran

Date: 3/16/1999

United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 16<sup>th</sup> day of March, 1999, before me personally came Srinivasan Surendran, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Mary Ellen Dobish  
Notary Public

Notarial Seal  
Mary Ellen Dobish, Notary Public  
Allentown, Lehigh County  
My Commission Expires Nov. 6, 2000

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