

07-01-1998

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PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
PATENT

6/15/98

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- ☒ New
☐ Resubmission(Non-Recordation)

Document ID#

- ☐ Correction of PTO Error
 Reel # Frame #

- ☐ Corrective Document
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Conveyance Type

- ☒ Assignment ☐ Security Agreement
☐ License ☐ Change of Name
☐ Merger ☐ Other:

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- ☐ Departmental File ☐ Secret File

 JC549 U.S. PTO
 09/097789
 06/15/98
Conveying Party(ies)☒ Mark if additional names of conveying parties attached

Name (line 1) David J. Antonello

Name (line 2)

Execution Date

MMDDYYYY

06/08/1998

Second Party

Name (line 1) David L. Carter

Name (line 2)

Execution Date

MMDDYYYY

06/08/1998

Receiving Party☐ Mark if additional names of receiving parties attached

Name (line 1) AT&T CORP.

Name (line 2)

Address (line 1) 32 Avenue of the Americas

Address (line 2) New York, New York 10013-2412

Address (line 3) U.S.A

City, State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name (line 1)

Address (line 1)

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 PATENT
 REEL: 9268 FRAME: 0346

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)
☒ Mark if additional names of conveying parties attached
Enter Additional Conveying Parties

Name (line 1)	Nino Girardi	Execution Date MMDDYYYY 06/08/1998
Name (line 2)		
Name (line 1)	Robert J. Hofmann	Execution Date MMDDYYYY 06/09/1998
Name (line 2)		
Name (line 1)	Karl T. Koppany	Execution Date MMDDYYYY 06/05/1998
Name (line 2)		

Receiving Party
☐ Mark if additional names of receiving parties attached

Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)		
City, State/Country Zip Code		

☐ Mark if additional names of receiving parties attached

Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)		
City, State/Country Zip Code		

Application Number(s) or Patent Number(s)
☐ Mark if additional numbers are attached

Enter either the Patent Application Number or the Patent Number *(DO NOT ENTER BOTH numbers for the same property).*

Patent Application Number(s)	Patent Number(s)

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
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PATENT

Conveying Party(ies)☐ Mark if additional names of conveying parties attached*Enter Additional Conveying Parties*

Name (line 1)	Michael J. Lutz	Execution Date MMDDYYYY 06/05/1998
Name (line 2)		
Name (line 1)	Robert F. Merski	Execution Date MMDDYYYY 06/05/1998
Name (line 2)		
Name (line 1)		Execution Date MMDDYYYY
Name (line 2)		

Receiving Party☐ Mark if additional names of receiving parties attached

Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)		
	City, State/Country Zip Code	

☐ Mark if additional names of receiving parties attached

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Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)		
	City, State/Country Zip Code	

Application Number(s) or Patent Number(s)☐ Mark if additional numbers are attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)	Patent Number(s)

Page 2

U.S. Department of Commerce
Patent and Trademark Office
PATENT**CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

NAME	Samuel H. Dworetsky				
ADDRESS	AT&T CORP. P.O. BOX 4110				
CITY	MIDDLETOWN	STATE	NEW JERSEY	ZIP CODE	07748-4801
COUNTRY	UNITED STATES	TELEPHONE		FAX	732-957-5505

Pages Enter the total number of pages of the attached conveyance document # 12
including any attachments

Application Number(s) or Patent Number(s) ☐ Mark if additional numbers are attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)	Patent Number(s)

If this document is being filed with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year
06/08/1998

Patent Cooperation Treaty(PCT)	PCT	PCT	PCT
Enter PCT application number only if a U.S. Application Number has not been assigned.	PCT	PCT	PCT

Number of Properties

Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ \$40.00

Method of Payment :

Enclosed ☐ Deposit Account ☒

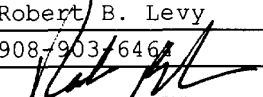
Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: 01-2745 ✓

Authorization to charge additional fees: ☒ Yes ☐ No

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

NAME	Robert B. Levy	Reg. #	28234
TELEPHONE	908-903-6464		
SIGNATURE		DATE	06/15/1998

ASSIGNMENT AND AGREEMENT

For value received, we, David J. Antonello, of Howell in the County of Monmouth and State of New Jersey, David L. Carter, of Freehold in the County of Monmouth and State of New Jersey, Nino Girardi, of Staten Island in the County of Richmond and State of New York, Robert J. Hofmann, of Piscataway in the County of Middlesex and State of New Jersey, Karl T. Koppang, of Warminster in the County of Bucks and State of Pennsylvania, Michael J. Lutz, of Flemington in the County of Hunterdon and State of New Jersey, and Robert F. Merski, of Sayreville in the County of Middlesex and State of New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, 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 **Line Coding Mismatch Detection Technique** described in an application for Letters Patent of the United States, executed by us 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 we also concurrently hereby sell, assign and transfer to AT&T Corp. 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.

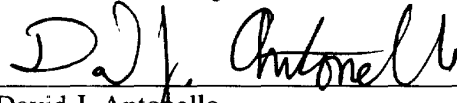
We authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from 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 AT&T Corp. 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 AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

D.J. Antonello 1-1-1-2-2-2-1

We agree that, when requested, we shall, without charge to AT&T Corp. 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.

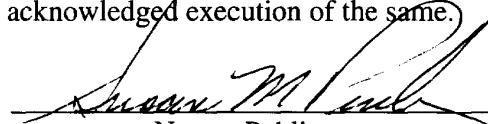


David J. Antonello

Date: 6/8/98

United States of America)
State of New Jersey) ss.:
County of Monmouth)

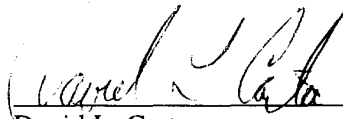
On this 8 day of June, 19 98, before me personally came David J. Antonello, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

**SUSAN M. PERELESS
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JAN. 31, 2002**

D.J. Antonello 1-1-1-2-2-2-1

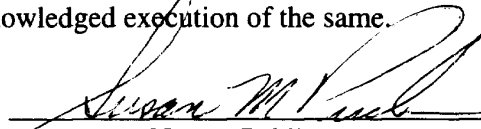


David L. Carter

Date: 6-8-98

United States of America)
State of New Jersey) ss.:
County of Monmouth)

On this 8 day of June, 19 98, before me
personally came David L. Carter, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

**SUSAN M. PERELESS
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JAN. 31, 2002**

D.J. Antonello 1-1-1-2-2-2-1

Nino Girardi
Nino Girardi

Date: 6-8-98

United States of America)
State of New Jersey) ss.:
County of Monmouth)

On this 8 day of June, 19 98, before me personally came Nino Girardi, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Susan M. Pereless
Notary Public

SUSAN M. PERELESS
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JAN. 31, 2002

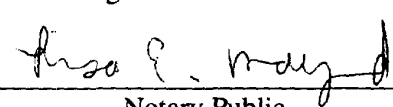
D.J. Antonello 1-1-1-2-2-2-1


Robert J. Hofmann

Date: 6/9/99

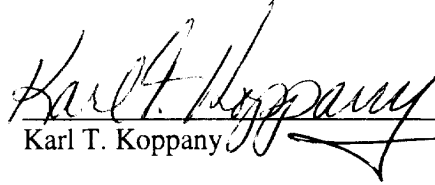
United States of America)
State of New Jersey) ss.:
County of Somerset)

On this 9th day of June, 19 99, before me personally came Robert J. Hofmann, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

LISA E. MAYNARD
A Notary Public of New Jersey
My Commission Expires 07/10/2001

D.J. Antonello 1-1-1-2-2-2-1


Karl T. Koppany

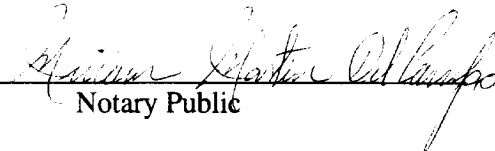
Date: June 5, 1998

United States of America)

State of New Jersey) ss.:

County of Somerset)

On this 5th day of June, 19 98, before me personally came Karl T. Koppany, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

MIRIAM MARTIN DEL CAMPO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 9, 2002

D.J. Antonello 1-1-1-2-2-2-1



Michael J. Lutz

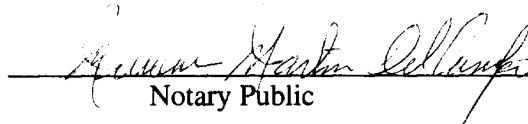
Date: 6/5/98

United States of America)

State of New Jersey) ss.:

County of Somerset)

On this 5th day of June, 1998, before me personally came Michael J. Lutz, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

**MIRIAM MARTIN DEL CAMPO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 9, 2002**

D.J. Antonello 1-1-1-2-2-1

Robert F. Merski
Robert F. Merski

Date: June 5, 1998

United States of America)

State of New Jersey) ss.:

County of MIDDLESEX)

On this 5th day of June, 1998, before me personally came Robert F. Merski, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Theresa Streck
~~Theresa Streck~~
Notary Public of N. J.
My Commission Expires
Nov. 30, 2001

AT&T Corp.
P. O. Box 4110
Middletown, New Jersey 07748