

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Richard Henry Erving	11/12/2002
Lalitha Sankaranarayanan	11/14/2002
RECEIVING PARTY DATA	
Name:	AT&T Corp., a corporation of the State of New York
Street Address:	32 Avenue of the Americas
City:	New York
State/Country:	NEW YORK
Postal Code:	10012-2412
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11394632
CORRESPONDENCE DATA	
Fax Number:	(312)580-9696
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	312-580-1020
Email:	kender@hfzlaw.com
Correspondent Name:	Hanley, Flight & Zimmerman, LLC.
Address Line 1:	150 S Wacker Drive
Address Line 2:	Suite 2100
Address Line 4:	Chicago, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	2001-0242DIV
NAME OF SUBMITTER:	Daniel J. Glitto
<p>Total Attachments: 6</p> <p>source=assmt#page1.tif</p> <p>source=assmt#page2.tif</p>	

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ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Richard Henry Erving of Piscataway in the County of Middlesex and State of New Jersey, and Lalitha Sankaranarayanan of Bedminster in the County of Somerset and State of New Jersey, hereby sells, assigns and transfers 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, United States of America, and its successors, assignees and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

Multi-Frequency Data Transmission Channel Power Allocation

described in an application for Letters Patent for the United States of America,

☐ for which an application for a United States Patent was executed by each of the undersigned of even date herewith or

☒ for which an application for a United States Patent was filed on 08/23/2002 Application Number 10/226444

☒ and based on our prior provisional application for a United States Patent filed on 08/29/2001 Application Number 60/315724

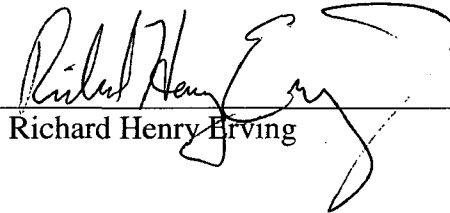
and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and the undersigned also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions 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.

The undersigned 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 the undersigned, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The undersigned 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.

The undersigned 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.

The undersigned agree that, when requested, the undersigned 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.


Richard Henry Erving

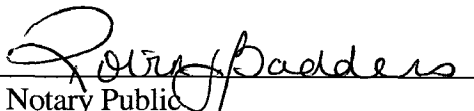
Date: 11/12/2002

United States of America)

State of New Jersey) ss.:

County of Morris)

On this 12 day of November, 2002 before me personally came Richard Henry Erving, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

ROBIN J. BADDERS
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 11/30/2003

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4110

ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Richard Henry Erving of Piscataway in the County of Middlesex and State of New Jersey, and Lalitha Sankaranarayanan of Morris Plains in the County of Morris and State of New Jersey, hereby sells, assigns and transfers 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, United States of America, and its successors, assignees and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

Multi-Frequency Data Transmission Channel Power Allocation

described in an application for Letters Patent for the United States of America,

☐ for which an application for a United States Patent was executed by each of the undersigned of even date herewith or

☒ for which an application for a United States Patent was filed on 08/23/2002 Application Number 10/226444

☒ and based on our prior provisional application for a United States Patent filed on 08/29/2001 Application Number 60/315724

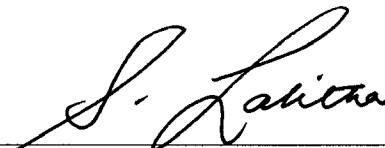
and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and the undersigned also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions 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.

The undersigned 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 the undersigned, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The undersigned 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.

The undersigned 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.

The undersigned agree that, when requested, the undersigned 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.



Lalitha Sankaranarayanan

Date: 11-14-02

United States of America)

State of) ss.:

County of)

On this 14th day of November, 2002 before me personally came Lalitha Sankaranarayanan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

BARBARA FIVEK
NOTARY PUBLIC-NEW JERSEY
COMM. EXPIRES DEC. 9, 2007

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4110

