

05-10-1999

RECOI

U.S. PAT.
09/300494
04/28/99

To: The Commissioner of Patents and Trademark 101033168

Original document(s) or copy(ies)

Submission Type:

☒ New

Conveyance Type:

☒ Assignment

Conveying Party(ies)

☐ Mark if additional names of conveying parties are attachedExecution Date
(Month Day Year)

Name

Ayman Naguib

4/27/99

Name

Nambirajan Sehshadri

4/27/99

Name

Arthur Robert Calderbank

4/27/99

Name

Receiving Party

☐ Mark if additional names of receiving parties are attached

Name

AT&T Corp.

Address

P.O. Box 4110

Middletown, NJ 07748

09300494

Domestic Representative

MRD 4.28.99

Correspondent Name and Address

Name

Henry T. Brendzel

Address

P.O. Box 574

Springfield, NJ 07081

Telephone Number (973) 467-2025

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

3

Application Number(s) or Patent Number(s)

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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 together with a new Patent Application,
enter the date on which the patent application was signed by the first named executing inventor.

(Month Day Year)

4/27/99

Patent Cooperation Treaty (PCT)

☐ Mark if additional numbers are attached

Enter PCT application number only if a US Application Number has NOT been assigned

PCT

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PCT

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Number of Properties

Enter the total number of properties involved

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41) \$ 40

Method of payment

Via enclosed Fees Form ☒Enclosed ☐Deposit Account ☐

Authorization to charge additional fees, if necessary

Yes ☒No ☐

Account Number 500732

Statement and Signature

To the best of knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Henry T. Brendzel

Name of Person Signing

Signature

Date

4/28/99

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PATENT
REEL: 9930 FRAME: 0345

ASSIGNMENT AND AGREEMENT

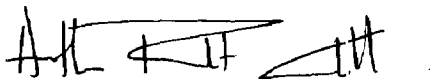
For value received, we, Arthur Robert Calderbank of Princeton in the County of Mercer and State of NJ, Ayman Naguib of New Providence in the County of Union and State of NJ, and Nambirajan Seshadri of Chatham in the County of Morris and State of NJ, hereby sell, assign and transfer to AT&T Corp., a corporation 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 **Combined Channel Coding and Space-Block Coding In a Multi-Antenna Arrangement** 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.

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.

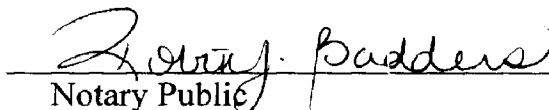


Arthur Robert Calderbank

Date 4/27/99

United States of America)
State of NJ)ss.:
County of Morris)

On this 27th day of April, 1999,
Before me personally came Arthur Robert Calderbank, 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

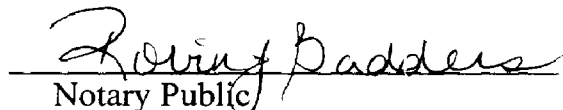


Ayman Naguib

Date 4/27/99

United States of America)
State of NJ)ss.:
County of Morris)

On this 27th day of April, 1999,
Before me personally came Ayman Naguib, 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

Nambirajan Seshadri
Nambirajan Seshadri

Date 4/27/98

United States of America)
State of NJ)ss.:
County of Morris)

On this 27th day of April, 1999,
Before me personally came Nambirajan Seshadri, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution of
the same.

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

Robin J. Badders
Notary Public