

04-21-2004

DEPARTMENT OF COMMERCE
and Trademark Office

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102726663

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

1. Name of conveying party(ies):

4-13-04

Shanmugavelayutham MUTHUKRISHNAN
Martin J. STRAUSS

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: April 13 and 12, 2004

2. Name and address of receiving party(ies):

Name: AT&T Corp.

Street Address: 32 Avenue of the Americas

City: New York State: New York ZIP:- 10013-2412

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

22390 U.S.P.T.O.
10/822996



4. Application number(s) or patent number(s):

10822996

If this document is being filed together with a new application, the execution date of the application is April 12, 2004

A. Patent Application No

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mr. Samuel H. Dworetsky

Street Address: AT&T Corp.
P.O. Box 4110

City: Middletown State: New Jersey ZIP: 07748-4110

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☐ Enclosed
☒ Enclosed Credit Card Payment Form
☐ Authorized to be charged to deposit account
☒ Charge fee deficiencies, credit overpayments, to Deposit Account 50-2396 (Axiom).

8. Deposit account number: 50-2396
(Attach duplicate copy of this page if paying by deposit account)

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.*

Raymond C. Glenny (32,413)
Name of Person Signing

Raymond C. Glenny
Signature

April 13, 2004
Date

Docket No. 2003-0234 Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Mail Stop: Assignments, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 015224 FRAME: 0882

ASSIGNMENT AND AGREEMENT

For value received, we,

Shanmugavelayutham MUTHUKRISHNAN,
of Washington in the District of Columbia
and
Martin J. STRAUSS,
of Summit in 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:

SPACE- AND TIME-EFFICIENT MANAGEMENT AND SUMMARIZATION OF DATA USING INTERMEDIATE SUMMARY STRUCTURE AND HIERARCHICAL MULTIDIMENSIONAL HISTOGRAM

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.

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

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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.



Shanmugavelayutham
MUTHUKRISHNAN

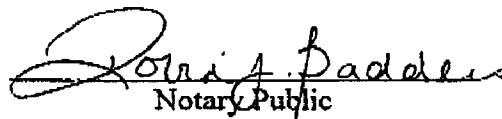
Date: April 13, 2004

United States of America)

State of New Jersey)


County of Warren)

On this 13 day of April, 2004, before me personally came **Shanmugavelayutham MUTHUKRISHNAN**, 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. BADBERS
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 11/30/2008

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


Martin J. STRAUSS

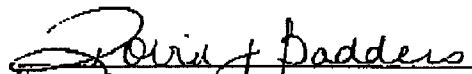
Date: April 12, 2004

United States of America)

State of New Jersey)

County of Warren)

On this 12 day of April, 2004, before me personally came **Martin J. STRAUSS**, 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 11/30/2008

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

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