

Docket Number: 113278

04-26-2000

U.S. Department of Commerce
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Conveying Party(ies)		<input checked="" type="checkbox"/> Mark if additional names of conveying parties attached
Name (line 1)	Ash, Gerald Richard	Execution Date
Name (line 2)		MMDDYYYY
		03/20/2000

Second Party		
Name (line 1)	Chen, Jiayu	Execution Date
Name (line 2)		MMDDYYYY
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Name (line 1)	AT&T Corp.	<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.)
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REEL: 010718 FRAME: 0643

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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	07748-4110
COUNTRY	United States of America			FAX	732-368-6932

Pages Enter the total number of pages of the attached conveyance document # 17
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
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Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
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Enter the total number of properties involved. # 1

Fee Amount

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

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Deposit Account

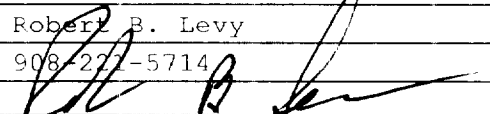
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Deposit Account Number: 01-2745 ✓

Authorization to charge additional fees: Yes No

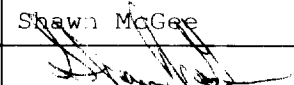
STATEMENT AND SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

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.

NAME	Robert B. Levy
TELEPHONE	908-222-5714
SIGNATURE	
DATE	3/29/2000

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 03/29/2000

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PATENT
REEL: 010718 FRAME: 0644

Docket Number: 113278

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Conveying Party(ies) Mark if additional names of conveying parties attached

Enter Additional Conveying Parties

Name (line 1)	Fishman, Saul Daniel	Execution Date MMDDYYYY 03/20/2000
Name (line 2)		
Name (line 1)	Maunder, Anurag S.	Execution Date MMDDYYYY
Name (line 2)		
Name (line 1)		Execution Date MMDDYYYY
Name (line 2)		

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<input type="checkbox"/> 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.)
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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)

ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Gerald Richard Ash of West Long Branch in the County of Monmouth County and State of New Jersey, Jiayu Chen of Morganville in the County of Monmouth County and State of New Jersey, Saul Daniel Fishman of Edison in the County of Middlesex County and State of New Jersey, and Anurag S. Maunder of Scotch Plains in the County of Union County 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

PNNI-based Multi-Link Shortest Path Class of Service Routing Technique

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

for which an application for a United States Patent was executed on even date herewith;

for which an application for a United States Patent was filed on _____ Application Number _____,

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.

Gerald Richard Ash
Gerald Richard Ash

Date: 3/20/00

United States of America)

State of) ss.:

County of)

On this 20th day of March, 2000 before me personally came Gerald Richard Ash, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Angela F. Smith
Notary Public

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

ANGELA F. SMITH
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES
MARCH 6, 2002

Chen Jiyu

Jiayu Chen

Date: 3-20-00

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

On this 20 day of March, 2000 before me personally came Jiayu Chen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Debera Polizzi

Notary Public

DEBERA POLIZZI
Notary Public of New Jersey
My Commission Expires July 23, 2003

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

Saul Daniel Fishman

Saul Daniel Fishman

Date: March 20, 2006

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 20 day of March, 2006 before me personally came Saul Daniel Fishman, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Debera Polizzi

Notary Public

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

DEBERA POLIZZI
Notary Public of New Jersey
My Commission Expires July 23, 2009

Anurag S. Maunder

Date: _____

United States of America)

State of) ss.:

County of)

On this ____ day of _____, _____ before me personally came Anurag S. Maunder, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

AT&T CORP. **RECORDED**
P.O. Box 4110
Middletown, New Jersey 07748-4110

Anurag S. Maunder

Date: _____

United States of America)

State of) ss.:

County of)

On this ____ day of _____, _____ before me personally came Anurag S. Maunder, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4110