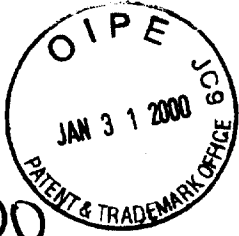


02-24-2000

PTO-1619A MODIFIED BY AT&T COF

Number: 111839



101276279

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

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Table with 3 columns: Name (line 1), Name (line 2), Execution Date. Row 1: Dutta, Partha P., MMDDYYYY, 02/15/1999

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PATENT REEL: 010560 FRAME: 0925

Docket Number: 111839

Page 2

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08/783180	

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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TELEPHONE	908-221-5720	
SIGNATURE	<i>Thomas A. Restaino</i>	DATE 1/24/2000

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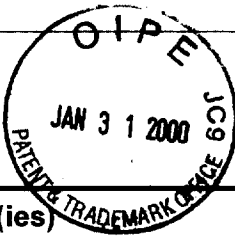
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

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Signature	<i>Dawn Cooper</i>	Date 1/24/2000

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Name (line 1)	Siil, Karl Andres	Execution Date MMDDYYYY 07/03/1997
Name (line 2)		
Name (line 1)	Vrsalovic, Dalibor F.	Execution Date MMDDYYYY 02/15/1999
Name (line 2)		
Name (line 1)	Zenchelsky, Daniel	Execution Date MMDDYYYY
Name (line 2)		

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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)
08/783180	

ASSIGNMENT AND AGREEMENT

For value received, we, Partha P. Dutta, of San Jose in the County of Santa Clara and State of California, Thomas Bennet London, of Mountain View in the County of Santa Clara and State of California, Karl Andres Siil, of Princeton in the County of Somerset and State of New Jersey, Dalibor F. Vrsalovic, of Sunnyvale in the County of Santa Clara and State of California, and Daniel Zenchelsky, of San Jose in the County of Santa Clara and State of California, 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 **Session Cache And Rule Caching Method For A Dynamic Filter** described in an application for Letters Patent of the United States, Serial No. 08/783180, filed January 15, 1997, 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.

Partha P. Dutta

Partha P. Dutta

Date: 2/15/99

United States of America)

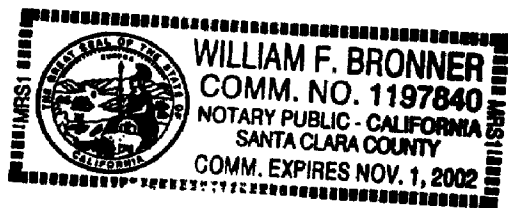
State of CALIFORNIA) ss.:

County of SAN MATEO)

On this 15TH day of FEBRUARY, 1999, before me personally came Partha P. Dutta, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

William F. Bronner

Notary Public



Thomas Bennet London
Thomas Bennet London

Date: 2-15-99

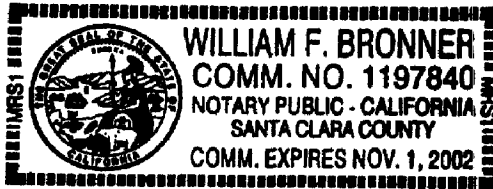
United States of America)

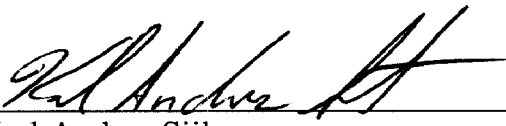
State of CALIFORNIA) ss.:

County of SAN MATEO)

On this 15TH day of FEBRUARY, 19 99, before me personally came Thomas Bennet London, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

William F Bronner
Notary Public




Karl Andres Siil

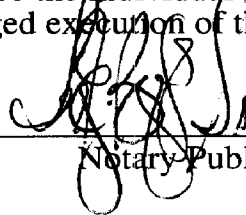
Date: 5/25/99

United States of America)

State of New Jersey) ss.:

County of Union)

On this 25 day of May, 19 99, before me personally came Karl Andres Siil, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

TROY E. BRIGHT, SR
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 03/20/2000

Dalibor F. Vrsalovic

Dalibor F. Vrsalovic

Date: 2-15-99

United States of America)

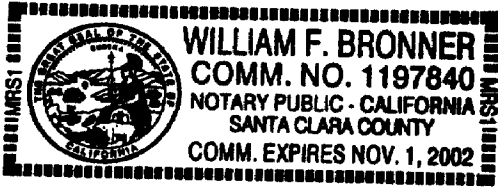
State of CALIFORNIA) ss.:

County of SAN MATEO)

On this 15TH day of FEBRUARY, 1999, before me personally came Dalibor F. Vrsalovic, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

William F. Bronner

Notary Public



Daniel Zenchelsky

Date:_____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19____, before me personally came Daniel Zenchelsky, 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

ASSIGNMENT AND AGREEMENT

For value received, we, Partha P. Dutta, of San Jose in the County of Santa Clara and State of California, Thomas Bennet London, of Mountain View in the County of Santa Clara and State of California, Karl Andres Siil, of Princeton in the County of Somerset and State of New Jersey, Dalibor F. Vrsalovic, of Sunnyvale in the County of Santa Clara and State of California, and Daniel Zenchelsky, of San Jose in the County of Santa Clara and State of California, 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 **Session Cache And Rule Caching Method For A Dynamic Filter** described in an application for Letters Patent of the United States, Serial No. 08/783180, filed January 15, 1997, 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.

P.P. Dutta 2-4-1-1-1

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.

Partha P. Dutta

Date:_____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19____, before me personally came Partha P. Dutta, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Thomas Bennet London

Date: _____

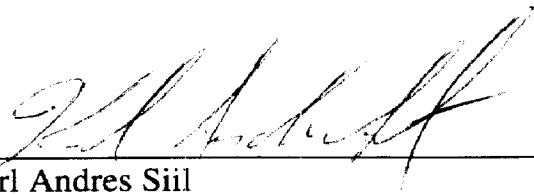
United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19____, before me personally came Thomas Bennet London, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public


Karl Andres Siil

Date: 7-3-97

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

On this 3 day of July, 1997, before me personally came Karl Andres Siil, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

CAROL GOLA
Notary Public of New Jersey
My Commission Expires May 3, 2001

Dalibor F. Vrsalovic

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19____, before me personally came Dalibor F. Vrsalovic, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Daniel Zenchelsky

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19____, before me personally came Daniel Zenchelsky, 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