



#28C
S. Ford
3/16/99

AMENDMENT		Docket No. N0003/7000
Applicant:	Glenn W. Hutton, et al.	
Serial No.	08/533,115	
Filed:	September 25, 1995	
For:	METHOD AND APPARATUS FOR ESTABLISHING POINT-TO-POINT COMMUNICATIONS OVER A COMPUTER NETWORK	
Examiner:	M. Rinehart	
Art Unit:	2756	

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Assistant Commissioner for Patents, Box Non-Fee Amendment, Washington, DC 20231 on March 1, 1999.

Frances M. Cunningham
Frances M. Cunningham

Assistant Commissioner for Patents
Washington, D.C. 20231

In response to the office communication dated October 28, 1998, please amend the above-identified application as follows:

In the Specification:

- Page 2, line 13, change "XXX.XXX.XXX.XXX" to --XXX.XXX.XXX--;
- line 14, change "XXX.XXX.XXX.XXX.10" to --XXX.XXX.XXX.10--;
- line 15, change "XXX.XXX.XXX.XXX.11" to --XXX.XXX.XXX.11--;
- line 15, change "XXX.XXX.XXX.XXX.12" to --XXX.XXX.XXX.12--;
- Page 11, line 10, change "2³²" to --32-bit--.

In the claims:

- Please amend the claims as follows:
- Please cancel claims 1-4 and 6-11, without prejudice.

21. (Amended) A computer program product for use with a computer system, the computer system executing a first process and operatively connectable to a

second process [having first and second processors] and a server [operatively coupled] over a computer network, the computer program product comprising:

a computer usable medium having program code [means] embodied in the medium [for establishing a point-to-point communications link between the first processor and the second processor over the computer network], the [medium further] program code comprising:

program code for transmitting to the server a network protocol address received by the first process following connection to the computer network;

program code [means] for transmitting, [from the first processor] to the server, a query as to whether the second [processor] process is connected to the computer network;

program code [means] for receiving a network protocol address of the second [processor] process from the server, when the second [processor] process is connected to the computer network; and

program code [means], responsive to the network protocol address of the second [processor] process, for establishing a point-to-point communication link between the first [processor] process and the second [processor] process over the computer network.

23. (Amended) [A computer server] An apparatus for enabling point-to-point communications between a first and a second [processor] process over a computer network, the [server] apparatus comprising:

a [server] processor;

a network interface [means], operatively coupled to the [server] processor, for connecting the [server] apparatus to the computer network;

a memory, operatively coupled to the processor, for storing a network protocol address for selected of a plurality of [processors connected] processes, each network protocol address stored in the memory following connection of a respective process to the computer network;

means, responsive to a query from the first [processor] process, for determining the on-line status of the second [processor] process and for

23

transmitting [the] a network protocol address of the second [processor] process to the first [processor] process in response to a positive determination of the on-line status of the second [processor] process.

³ 24. (Amended) The computer server apparatus of claim ² 23 further comprising a timer [means], operatively coupled to the [server] processor, for time stamping the network protocol addresses stored in the memory.

⁴ 26. (Amended) [In a connection server having a database and a computer network operatively coupled thereto, a] A method for enabling point-to-point communication between a first [processing unit] process and a second [processing unit] process over a computer network, the method comprising the steps of:

- A. receiving and storing into a computer memory [storing in the database,] a respective network protocol address for [each] selected of a plurality of [processing units] processes that have an on-line status with respect to the computer network, each of the network protocol addresses received following connection of the respective process to the computer network;
- B. receiving a query from the first [processing unit] process to determine the on-line status of the second [processing unit] process;
- C. determining the on-line status of the second [processing unit] process; and
- D. transmitting an indication of the on-line status of the second [processing unit] process to the first [processing unit] process over the computer network.

⁵ 27. (Amended) The method of claim ⁴ 26 wherein step C further comprises the steps of:

-3-
24

c.1 searching the [database] computer memory for an entry relating the second [processing unit] process; and

c.2 retrieving [the] a network protocol address of the second [processing unit] process in response to a positive determination of the on-line status of the second [processing unit] process.

3
4
28. (Amended) The method of claim ~~26~~⁴ wherein step D further comprises the steps of:

d.1 transmitting the network protocol address of the second [processing unit] process to the first [processing unit] process when the second [processing unit] process is determined in step C to have a positive on-line status with respect to the computer network.

7
29. (Amended) The method of claim ~~26~~⁴ wherein step D further comprises the steps of:

d.1 generating an off-line message when the second [processing unit] process is determined in step C to have a negative on-line status with respect to the computer network; and

d.2 transmitting the off-line message to the first [processing unit] process.

8
30. (Amended) The method of claim ~~26~~⁴ further comprising the steps of:

E. receiving an E-mail signal comprising a first network protocol address from the first [processing unit] process; and

F. transmitting the E-mail signal over the computer network to the second [processing unit] process.

9
31. (Amended) The method of claim ~~30~~⁸ wherein the E-mail signal further comprises a session number and wherein step F further comprises the step of:

f.1 transmitting the session number and network protocol address over the computer network to the second [processor] process.

25

10

~~32.~~ (Amended) In a computer system, a [A] method for establishing a point-to-point communication link from a caller [processor] process to a callee [processor] process over a computer network, the caller [processor having] process having a user interface and being operatively [coupled] connectable to the callee [processor] process and a server over the computer network, the method comprising the steps of:

C³

- A. [generating an] providing a user interface element representing a first communication line;
- B. [generating an] providing a user interface element representing a first callee [processor] process; and
- C. establishing a point-to-point communication link from the caller [processor] process to the first callee [processor] process, in response to a user associating the element representing the first callee [processor] process with the element representing the first communication line.

11

10

~~33.~~ (Amended) The method of claim ~~32~~ wherein step C further comprises the steps of:

E

- c.1 querying the server as to the on-line status of the first callee [processor] process and
- c.2 receiving a network protocol address of the first callee [processor] process over the computer network from the server.

12

10

~~34.~~ (Amended) The method of claim ~~32~~ further comprising the step of:

- D. [generating] providing an element representing a second communication line.

E

13

12

~~35.~~ (Amended) The method of claim ~~34~~ further comprising the step^S of:

- E. terminating the point-to-point communication link from the caller [processor] process to the first callee [processor] process, in response to the

-5-
210

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.