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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shane D. Mattaway, et al.  
Serial No.: 08/721,316  
Filed: September 25, 1996  
For: GRAPHIC USER INTERFACE FOR INTERNET TELEPHONY APPLICATION  
Examiner: George F. Wallace  
Art Unit: 2751

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Assistant Commissioner for Patents  
Washington, D.C. 20231

**AMENDMENT**

In response to the Office Action dated April 20, 1998, please amend the above-identified patent application, as follows:

In the Specification

- Page 2, line 8, change " XX/XXX,XXX" to -- 08/523,115 --;
- line 10, change " XX/XXX,XXX" to -- 60/024,251 --;
- line 16, change " XX/XXX,XXX" to -- 08/719,894 --;
- line 19, change " XX/XXX,XXX" to -- 08/719,554 --;
- line 22, change " XX/XXX,XXX" to -- 08/719,640 --;
- Page 3, line 1, change " XX/XXX,XXX" to -- 08/719,891 --;
- line 4, change " XX/XXX,XXX" to -- 08/719,898 --.
- line 7, change " XX/XXX,XXX" to -- 08/718,911 --.
- line 10, change " XX/XXX,XXX" to -- 08/719,639 --.
- Page 8, line 5, change "a such" to --such--;

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Page 27, line 25, change "Winsoc" to --Winsock--.

Page 28, line 11, change "XX/XXX,XXX" to --08/719,554 --.

Page 39, line 11, change "XX/XXX,XXX" to -- 08/719,891 --.

Page 46, line 23, change "XX/XXX,XXX" to -- 08/719,898 --.

In the Claims

1. (Amended) A computer program product for use with a computer system having a display and an audio transducer, the computer system capable of executing one or more processes and [operatively coupled] connecting to other [computers] processes and a server process over a computer network, the computer program product comprising a computer usable medium having computer readable code means embodied in the medium comprising:

- a. program code means for generating a user-interface through which a user may control a first process executing on [coact with] the computer system and coupled to the computer network;
- b. program code means for determining the currently assigned network protocol address of the first process upon connection to the computer network;
- c. program code means, responsive to the currently assigned network protocol address of the first process, for establishing a communication connection with the server process and for forwarding the assigned network protocol address of the first process and a unique identifier of the first process to the server process upon establishing a communication connection with the server process; and
- [b.]d. program code means, responsive to user input commands, for establishing a point-to-point communications [link] with another [computer] process over the computer network[; and].
- [c.] program code means, responsive to audio data from the audio transducer, for transmitting the audio data over the communication link to the other

computer.]

2. (Amended) The computer program product of claim 1 wherein the program code means for establishing a point-to-point communication link further comprises:

[c.1] d.1 program code means, responsive to the network protocol address of a second process [the second processor], for establishing a point-to-point communication link between the first [processor] process and the second [processor] process over the computer network.

3. (Amended) The computer program product of claim 2 wherein the program code means for establishing a point-to-point communication link further comprise:

[c.2] d.2 program code means for transmitting, from the first [processor] process to the server process, a query as to whether the second [processor] process is connected to the computer network; and

[c.3] d.3 program code means for receiving a network protocol address of the second [processor] process from the server process, when the second [processor] process is connected to the computer network.

4. (Amended) The computer program product of claim 2 wherein the program code means for establishing a point-to-point communication link further comprises:

[c.2] d.2 program code means for transmitting an E-mail [signal] message containing a network protocol address from the first [processor] process to the server process over the computer network;

[c.3] d.3 program code means for receiving a second network protocol address from the second [processor] process over the computer network.

Please cancel claims 5-6 without prejudice.

Please add the following claims:



7. In a computer system having a display and an audio transducer, the computer system capable of executing one or more processes and communicating with other processes and a server process over a computer network, a method for establishing point-to-point communications with other processes comprising:

- A. determining the currently assigned network protocol address of the first process upon connection to the computer network;
- B. establishing a communication connection with the server process once the assigned network protocol of the first process is known;
- C. forwarding the assigned network protocol address of the first process to the server process upon establishing a communication connection with the server process; and
- D. establishing a point-to-point communication with another process over the computer network.

8. The method of claim 7 wherein the program step D comprises:

- D.1 transmitting, from the first process to the server process, a query as to whether a second process is connected to the computer network; and
- D.2 receiving a network protocol address of the second process from the server process, when the second process is connected to the computer network.

9. The method of claim 7 wherein the program step D comprises:

- D.1 transmitting an E-mail message containing a network protocol address from the first process to the server process over the computer network;
- D.2 receiving a second network protocol address from a second process over the computer network.

10. A method for establishing a point-to-point communication from a caller process to a callee process over a computer network, the caller process having a user interface and being operatively coupled to the callee process and a server process over the

computer network, the method comprising the steps of:

- A. generating an element representing a first communication line;
  - B. generating an element representing a first callee process;
  - C. establishing a point-to-point communication link from the caller process to the first callee process, in response to a user associating the element representing the first callee process with the element representing the first communication line.
11. The method of claim 10 wherein step C further comprises the steps of:
- C.1 querying the server process as to the on-line status of the first callee process; and
  - C.2 receiving a network protocol address of the first callee process over the computer network from the server process.
12. The method of claim 10 further comprising the step of:
- D. generating an element representing a second communication line.
13. The method of claim 10 further comprising the step of:
- E. terminating the point-to-point communication from the caller process to the first callee process, in response to the user disassociating the element representing the first callee process from the element representing the first communication line; and
  - F. establishing a different point-to-point communication from the caller process to the first callee process, in response to the user associating the element representing the first callee processor with the element representing the second communication line.
14. The method of claim 10 further comprising the steps of:
- D. generating an element representing a second callee process; and
  - E. establishing a conference point-to-point communication between the caller

*82*  
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