



[54] **SYSTEMS AND METHODS FOR EXECUTING APPLICATION PROGRAMS FROM A MEMORY DEVICE LINKED TO A SERVER**

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**Related U.S. Application Data**

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[52] **U.S. Cl.** ..... **395/200.49; 395/200.47; 345/330**  
[58] **Field of Search** ..... **395/200.49, 200.47, 395/200.8, 838, 450, 467; 345/330, 335; 707/10, 1, 104**

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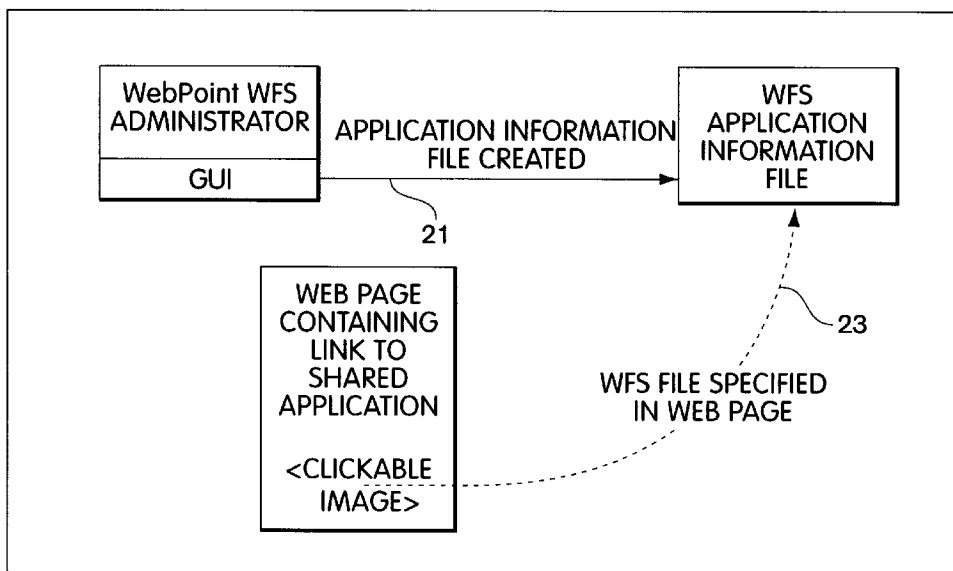
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[57] **ABSTRACT**

Systems and processes of the invention allow a computer to connect to a server of an Internet site for executing an application program that is stored on a disk linked to that server. Specifically, processes are disclosed that provide a data transport interface for connecting to the server. The processes transport from the server a server address signal representative of a network address of the server, and a path name signal representative of a file system that includes an application program. The process further generates a mount request as a function of the path name signal and transports the mount request to the server to direct the server to provide an array of server file pointers that point to a file descriptor representative of the file system that includes the application program. The processes generate an array of remote file pointers, as a function of the server address signal and the array of server file pointers, and provide the array of remote file pointers to a program loader that transports from the disk at the server site to a local program memory element, a file block associated with the selected remote file pointer. The process can employ a redirector that translates requests to access remote files into HTTP compliant commands for collecting files from an HTTP server site.

**17 Claims, 9 Drawing Sheets**



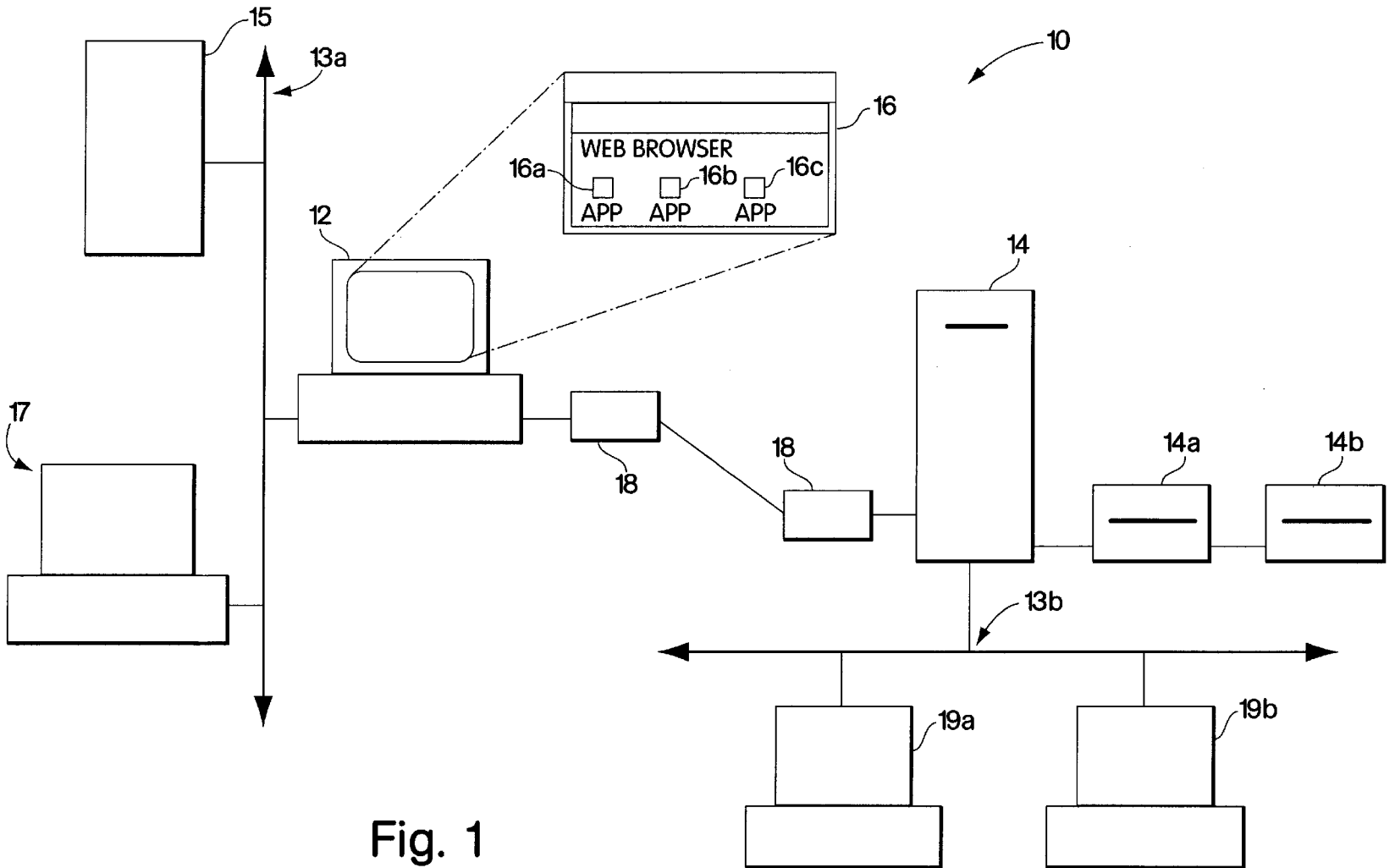


Fig. 1

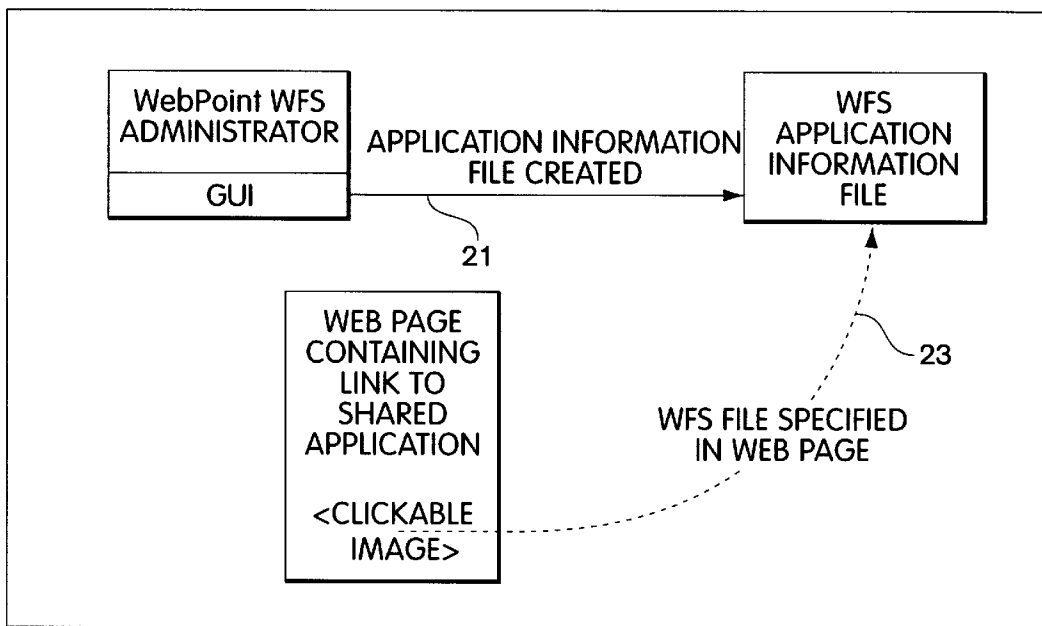


Fig. 2

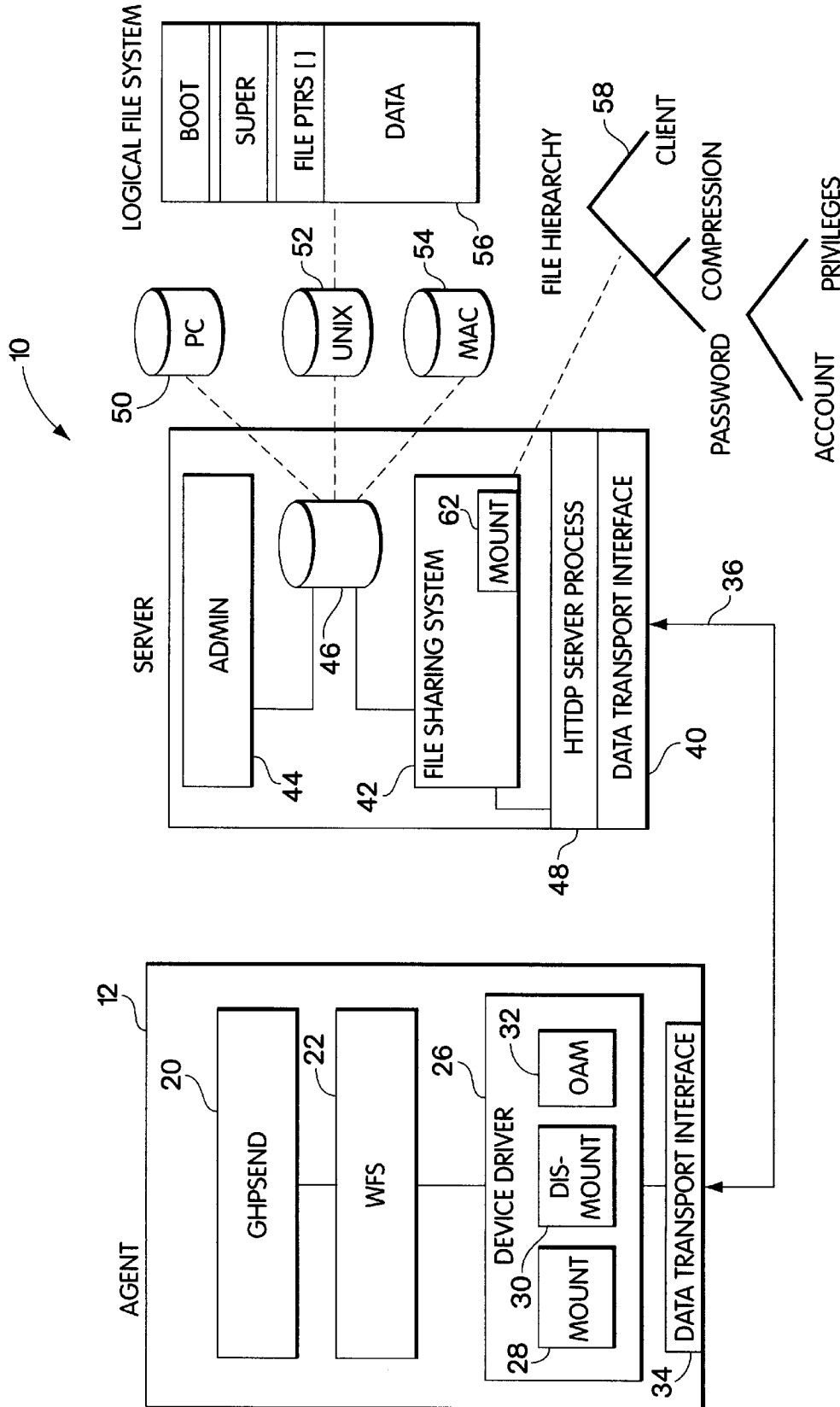


Fig. 3

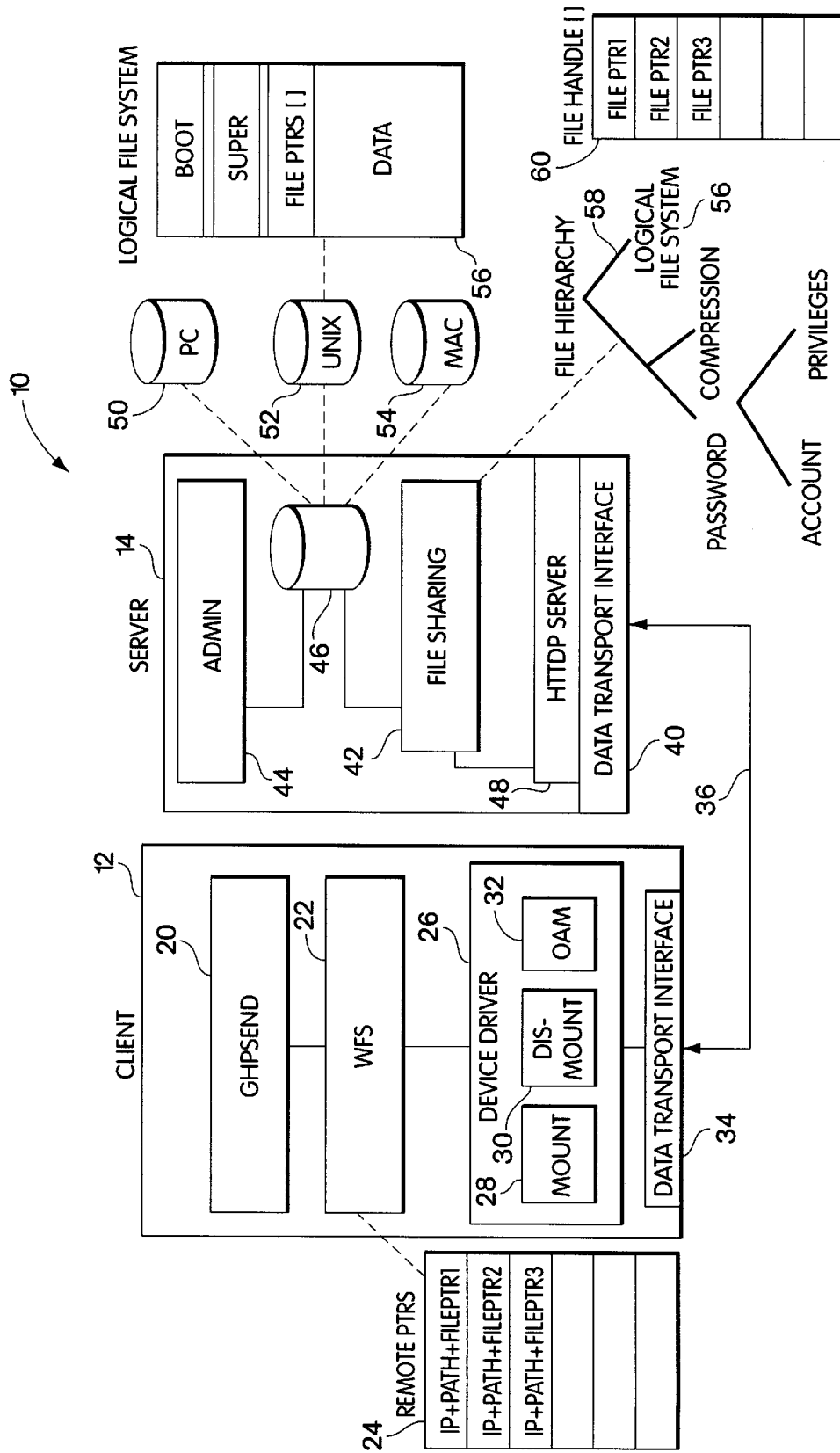


Fig. 4

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