



(12) **United States Patent**
Slemmer

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(54) **CONTROLLED COMMUNICATIONS OVER A GLOBAL COMPUTER NETWORK**

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(75) Inventor: **Michael W. Slemmer**, Sioux Falls, SD (US)

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(73) Assignee: **LodgeNet Entertainment Corporation**, Sioux Falls, SD (US)

Primary Examiner—Kenneth R. Coulter
(74) *Attorney, Agent, or Firm*—Sheridan Ross P.C.

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(57) **ABSTRACT**

In one embodiment, a method related to controlling communication of a TCP packet from a user machine is disclosed. During a browser request from the user machine, the TCP packet is sent via the intranet to a forced proxy server. The TCP packet having a number of fields including a first field related to a first destination IP address. The TCP packet and its first destination IP address is received by the forced proxy server and analyzed. If the first destination IP address is not from a "sandboxed" domain, the first destination IP address is changed to a predetermined second destination IP address to effectively reroute the TCP packet to another IP address on the Internet. The rerouted IP address provides content to the user machine in which at least a majority of the content is different from that expected to be obtained by the user machine.

(21) Appl. No.: **09/232,386**

(22) Filed: **Jan. 15, 1999**

Related U.S. Application Data

(60) Provisional application No. 60/109,878, filed on Nov. 25, 1998.

(51) **Int. Cl.**⁷ **G06F 13/00**

(52) **U.S. Cl.** **709/227**

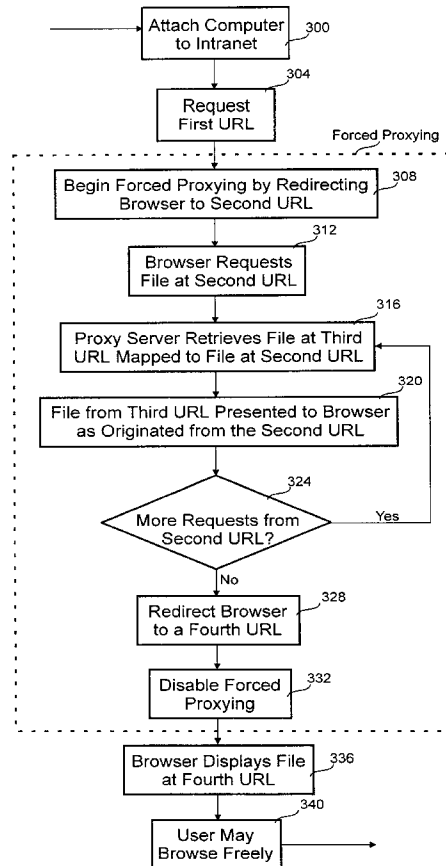
(58) **Field of Search** 705/14; 709/202, 709/317, 227

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27 Claims, 4 Drawing Sheets



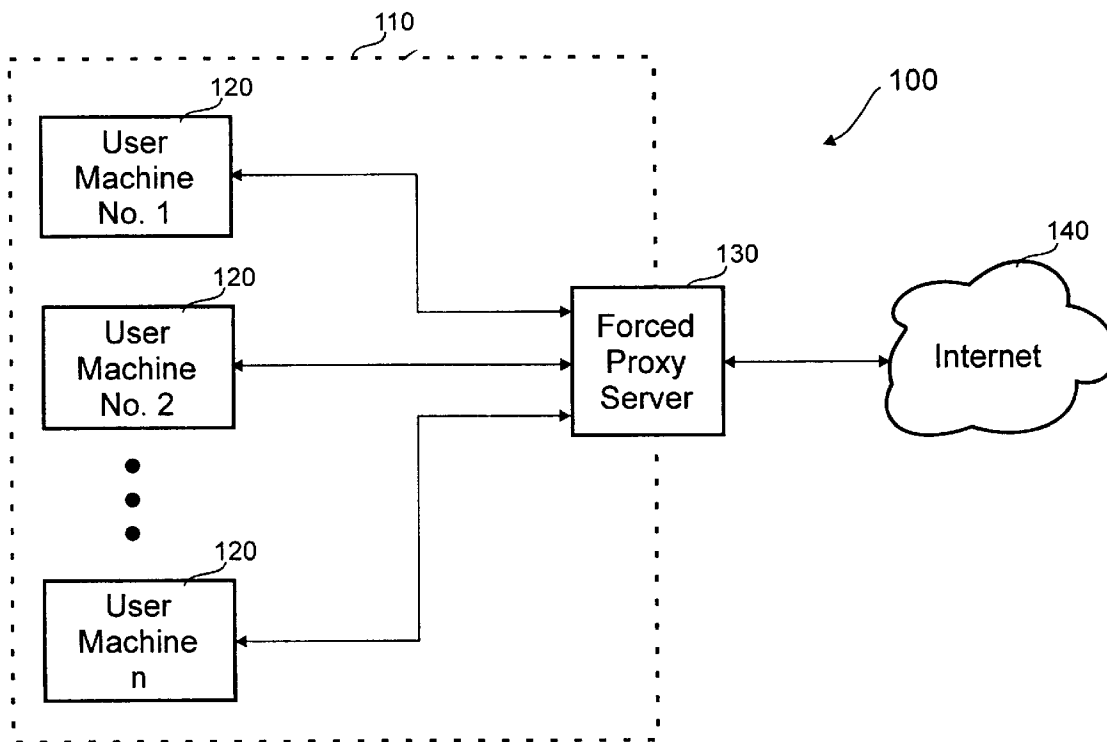


Fig. 1

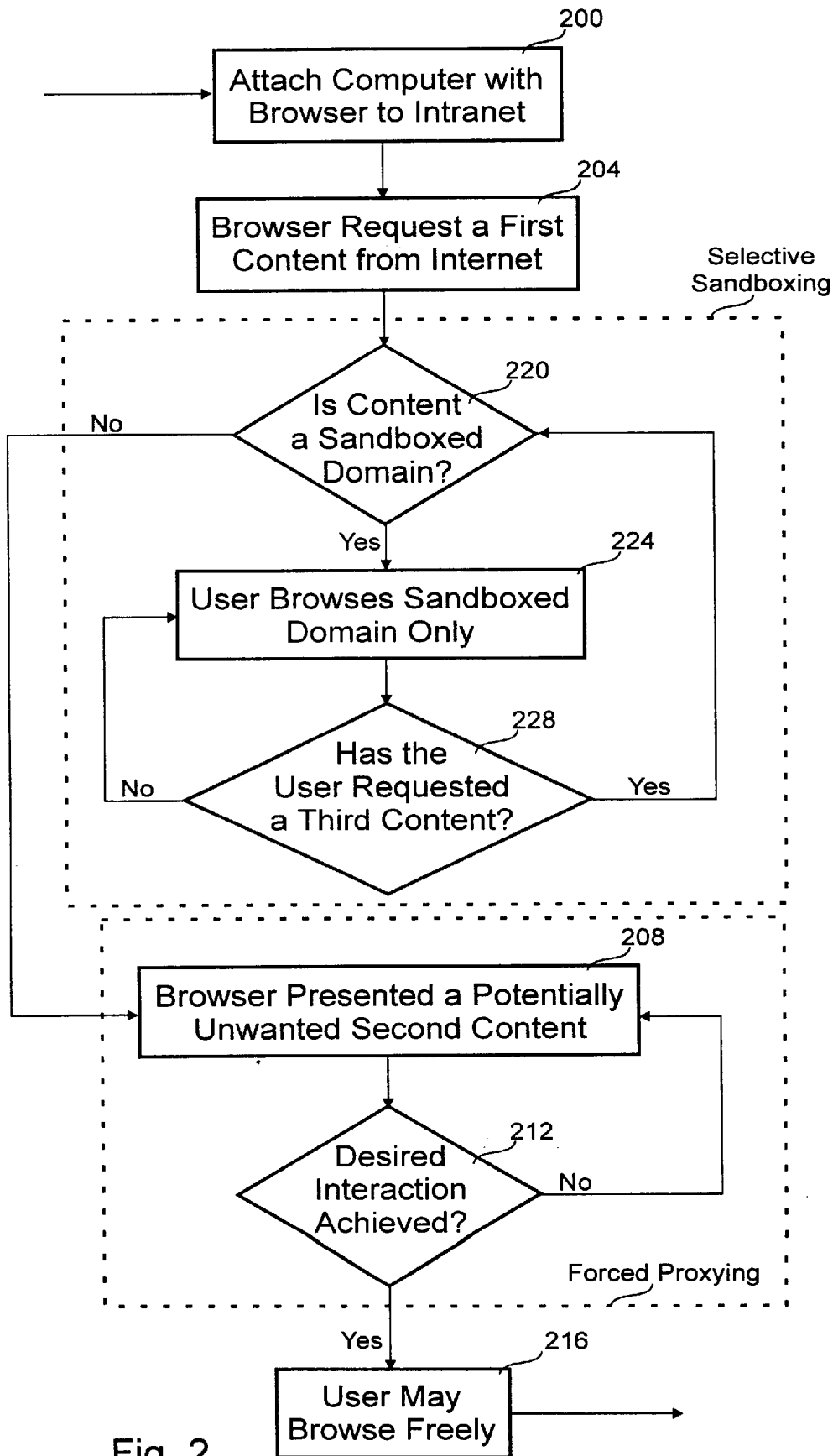


Fig. 2

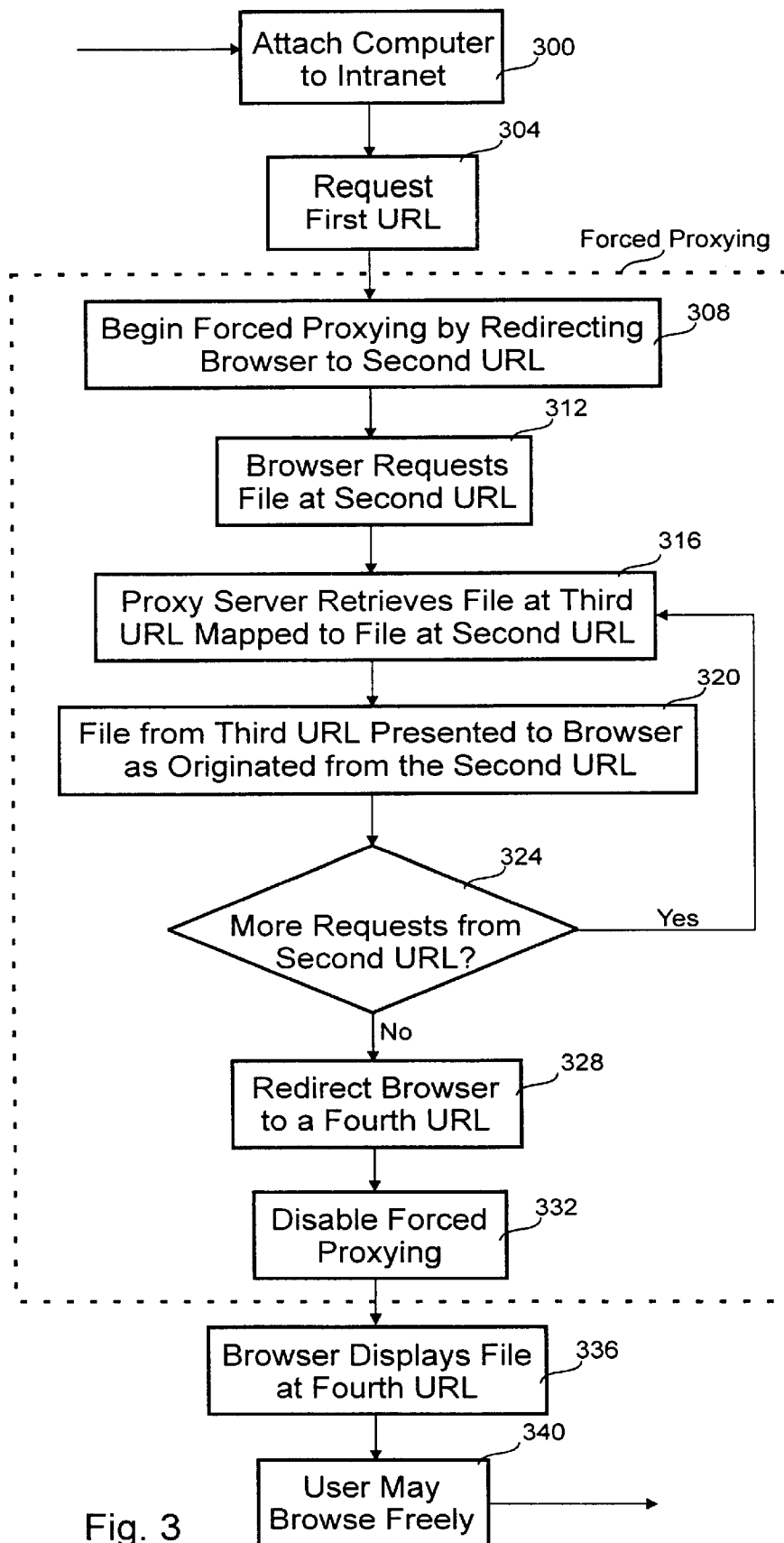


Fig. 3

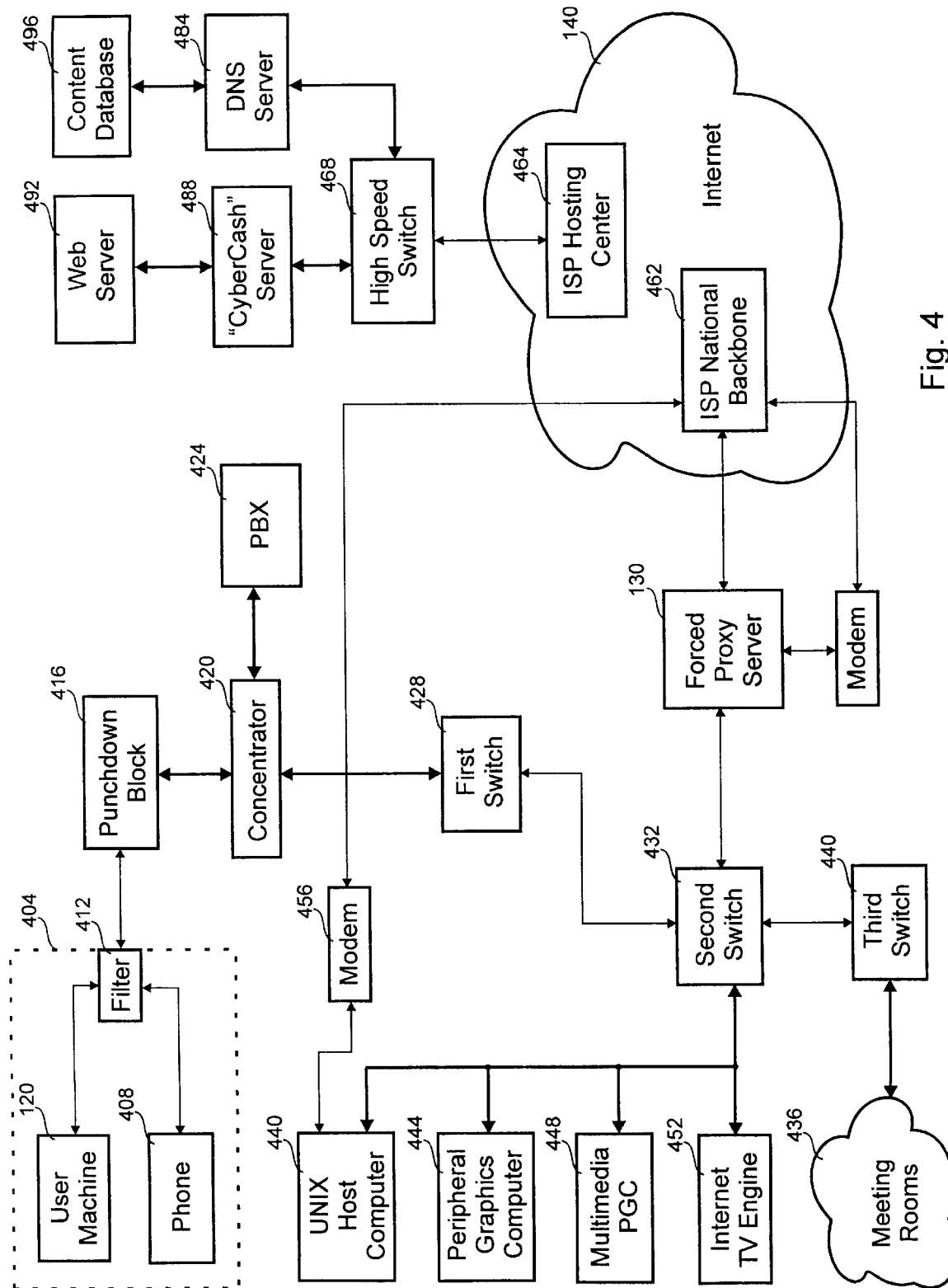


Fig. 4

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