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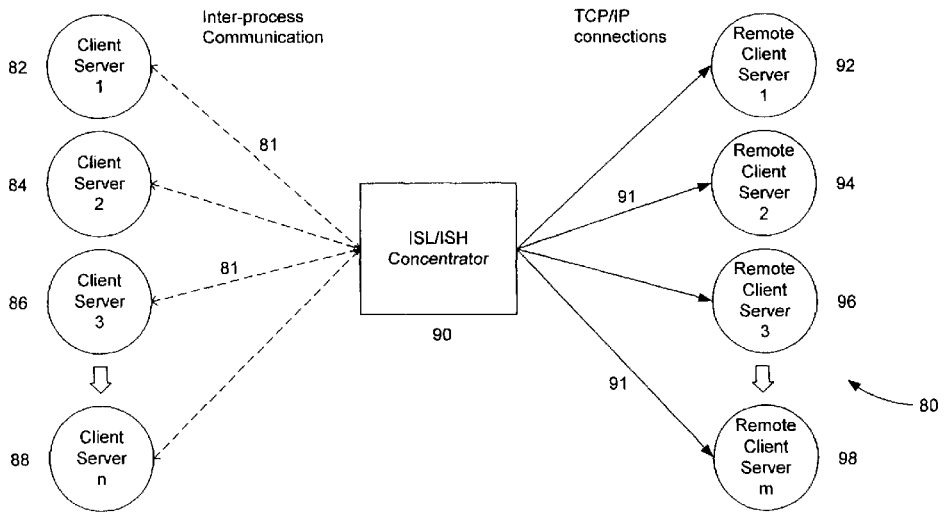
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(54) Title: SYSTEM AND METHOD FOR CONCENTRATION AND LOAD-BALANCING OF REQUESTS



n client/servers (inside the domain) invoking on 1 remote server (outside the domain) via ISL/ISH intelligent concentrator results in 1 TCP/IP socket connection. On first invoke on object, client contact ISL to determine ISH to handle invoke. ISL maintains information about active TCP/IP socket connections in ISH processes, and concentrates invokes allowing request to be multiplexed over 1 connection.

(57) Abstract: The invention relates generally to distribute computing environments and specifically to a system and a method for reducing the number of Object Request Broker (ORB) connections in an Internet Inter-ORB Protocol (IIOP) environment. Prior solutions required a n x m number of connections to handle requests from clients (82,84,86,88) to remote servers (92,94,96,98). The solution described allows there to be only m connections (81,91) through an intelligent concentrator (90), which significantly reduces requirements and allows scalability. Prior solutions did not utilize multiple intelligent master concentrator processes (90) to handle concentrator failure or dynamic scalability.

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