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(54) **METHOD AND APPARATUS FOR THE SUSPENSION AND CONTINUATION OF REMOTE PROCESSES**

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(58) **Field of Search** 709/238, 159, 709/201, 227, 213, 220, 203, 224; 395/608, 700, 650, 2.42, 610; 370/468, 58; 707/103, 4; 364/559; 713/201; 379/201; 703/23

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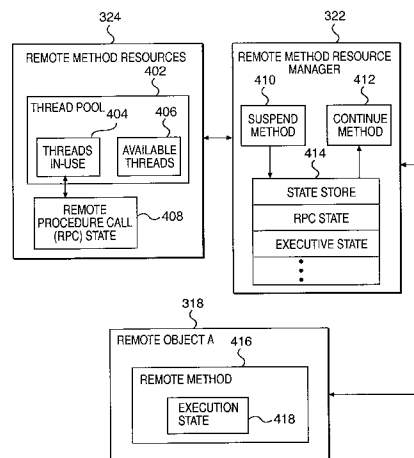
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(57) **ABSTRACT**

A method and apparatus is provided for enabling blocked remote methods to relinquish threads and other resources to other methods on a server system. In a distributed computing environment, remote methods are allocated numerous network resources but are blocked while they wait for operations, such as a write operation from another process, to complete. When enough remote methods are blocked, threads and other network resources may run out. Client systems requesting server services may experience slower response times. This method and system provides a technique for remote methods to relinquish network resources, such as threads, for other methods to use while the methods are blocked. Once the conditions causing the remote methods to block is resolved, the remote methods continue execution. This technique enables high volume client-server transaction systems to utilize threads and other resources in a distributed computing environment more efficiently.

39 Claims, 7 Drawing Sheets



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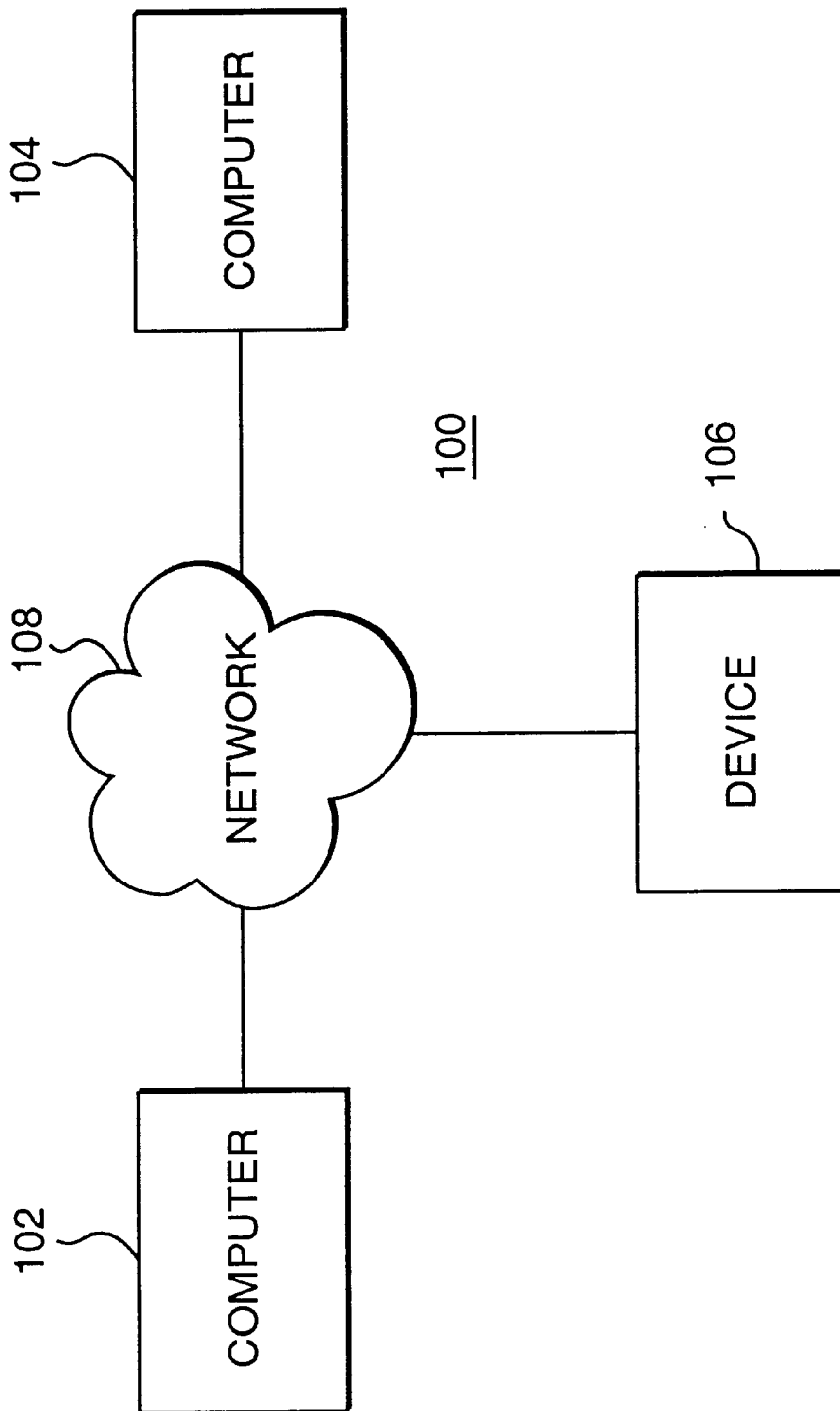


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