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(12) United States Patent Loomans

(54) TECHNIQUES FOR MANAGING MULTIPLE THREADS IN A BROWSER ENVIRONMENT

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Related U.S. Application Data

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- U.S. Cl. 718/102; 709/203; 709/204; (52) 709/205; 709/206
- (58)Field of Search 709/102, 200–210, 709/310, 322; 707/526; 713/1; 718/102

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Primary Examiner-Meng-Al T. An

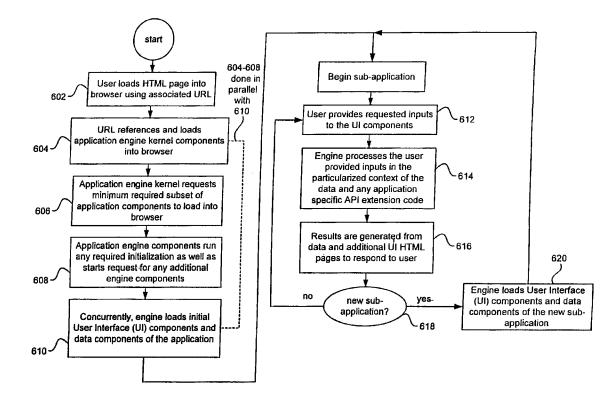
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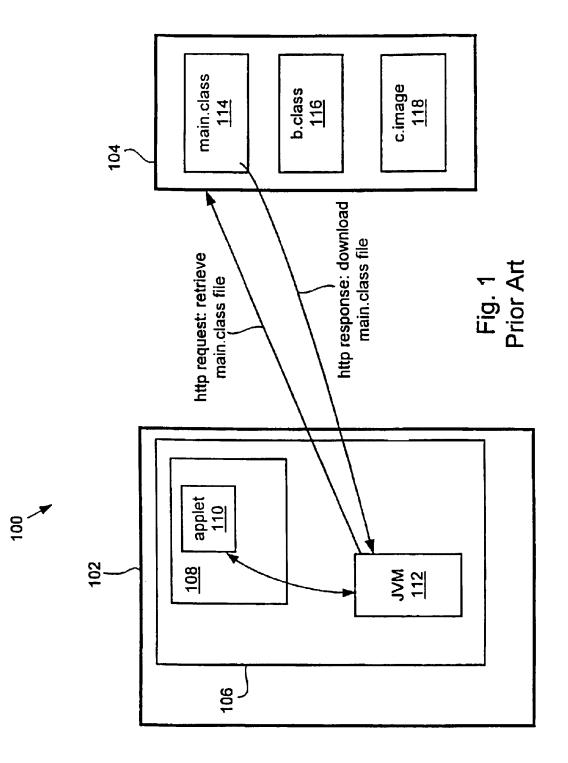
ABSTRACT (57)

Techniques for managing multiple threads in an asynchronous environment, such as a browser, are described. As a method, instantiating an event thread in response to a user event by a shell event handler block that provides shell functions for a user event. Once the event thread as been instantiated, managing the event thread by a generic thread manager block that provides a plurality of multithread management functions for the shell event handler. When required, blocking and unblocking the event thread by a blocking system that is arranged to block and unblock threads.

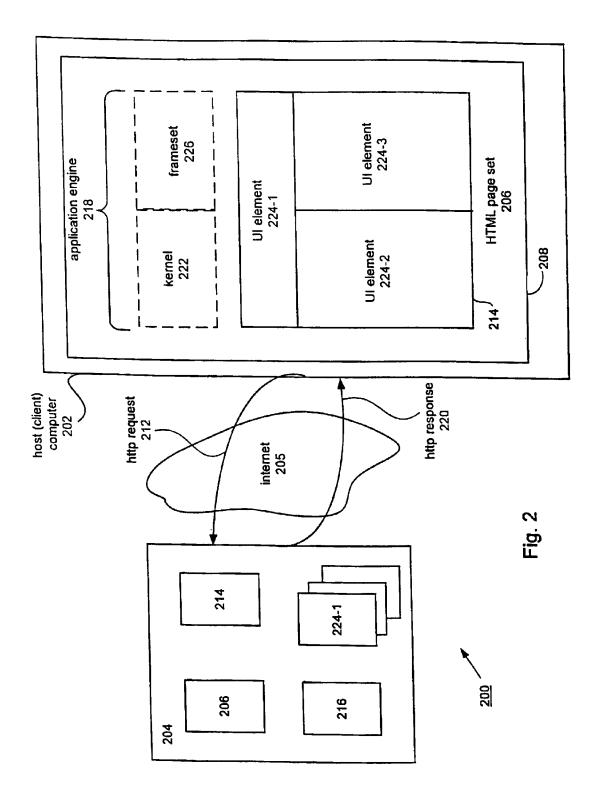
11 Claims, 7 Drawing Sheets



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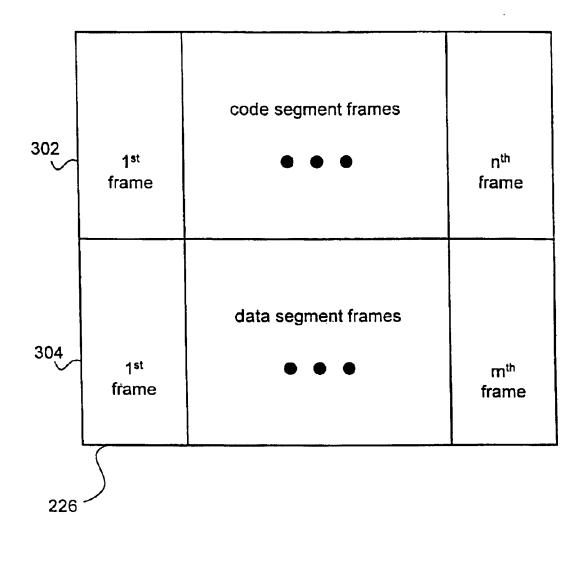
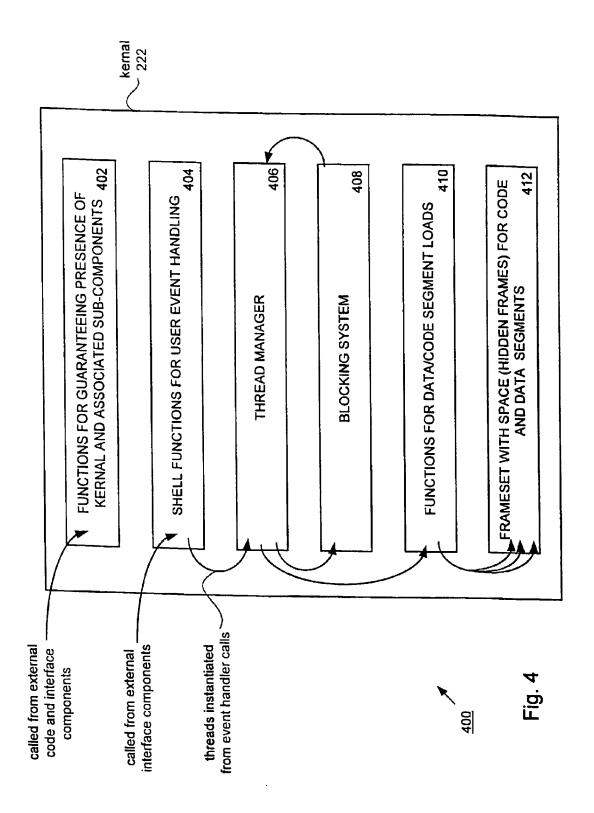


Fig. 3



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