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Border et al.

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(54) SYSTEM AND METHOD OF READING AHEAD OF OBJECTS FOR DELIVERY TO AN HTTP PROXY SERVER

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(21) Appl. No.: **09/708,134**

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118, 122, 137

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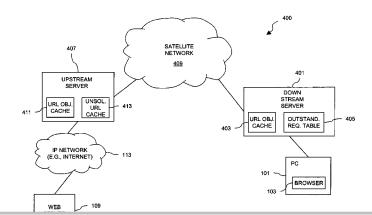
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Primary Examiner—Mehmet B. Geckil (74) Attorney, Agent, or Firm—John T. Whelan

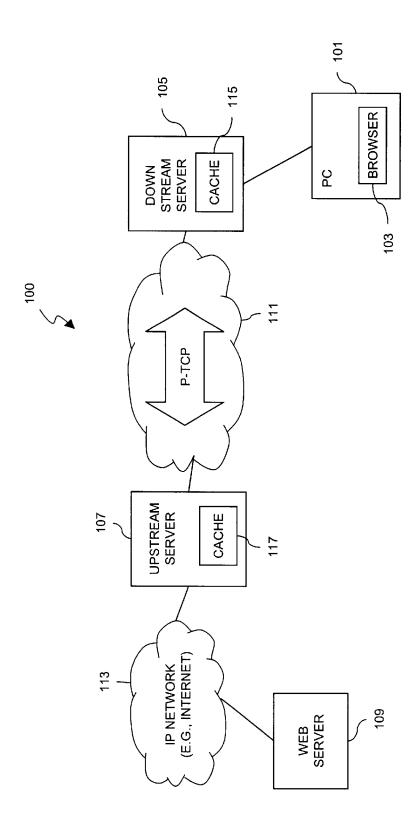
(57) ABSTRACT

A communication system for retrieving web content is disclosed. A downstream proxy server receives a URL request message from a web browser, in which the URL request message specifies a URL content that has an embedded object. An upstream proxy server receives the URL request message from the downstream proxy server. The upstream proxy server selectively forwards the URL request message to a web server and receives the URL content from the web server, wherein the upstream proxy server forwards the URL content to the downstream proxy server and parses the URL content to obtain the embedded object prior to receiving a corresponding embedded object request message initiated by the web browser.

4 Claims, 7 Drawing Sheets











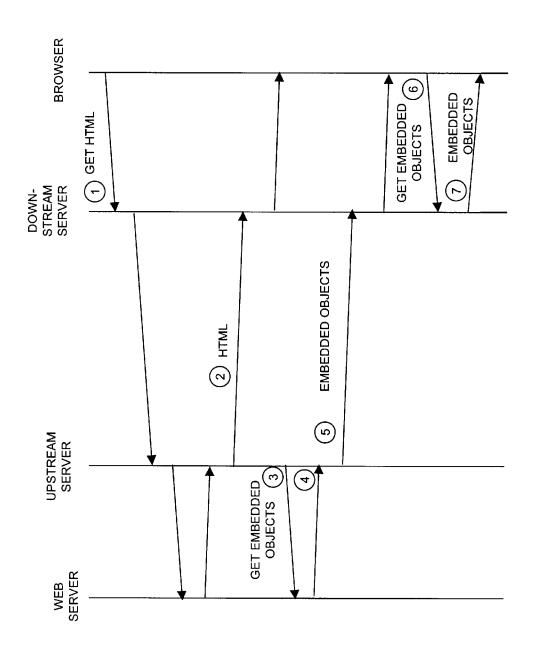
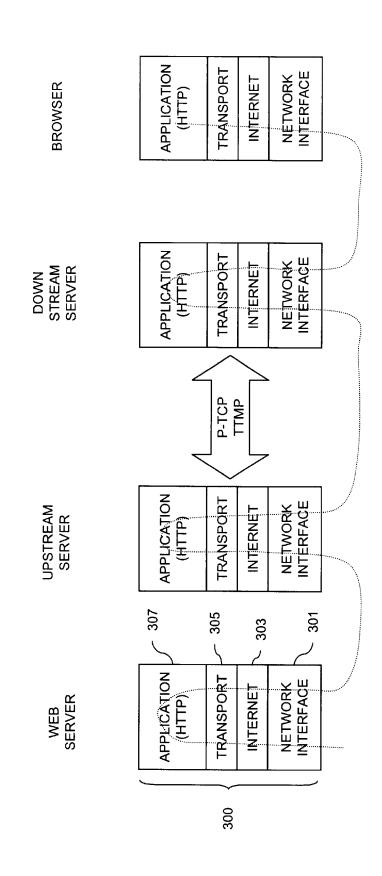


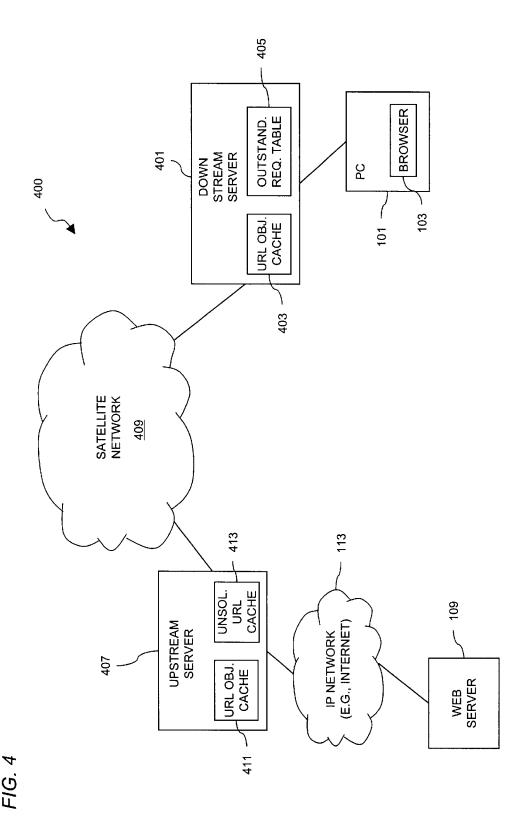
FIG. 2



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