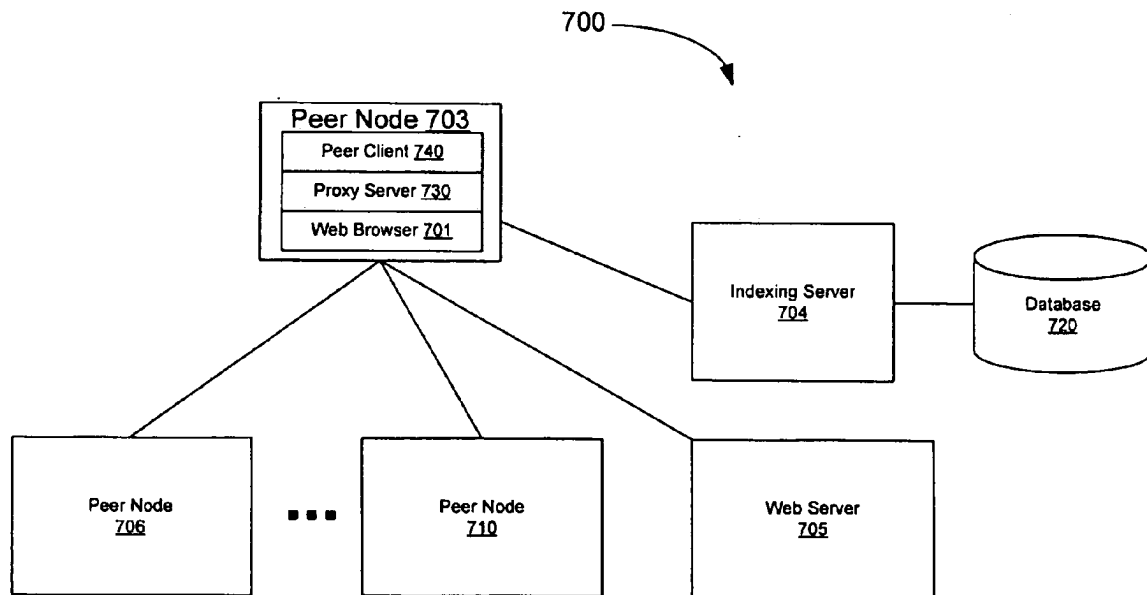




US 20060212584A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2006/0212584 A1**  
Yu et al. (43) **Pub. Date: Sep. 21, 2006**(54) **METHOD AND SYSTEM FOR  
ACCELERATING DOWNLOADING OF WEB  
PAGE CONTENT BY A PEER-TO-PEER  
NETWORK****Publication Classification**(51) **Int. Cl.**  
**G06F 15/16** (2006.01)(75) Inventors: **Mingjian Yu**, Beijing (CN); **Zhenchun  
Li**, Beijing (CN)(52) **U.S. Cl.** ..... **709/227**Correspondence Address:  
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**DALLAS, TX 75202 (US)**(57) **ABSTRACT**(73) Assignee: **Qian Xiang Shi Ji (Beijing) Technology  
Development Co. Ltd.**, Beijing (CN)(21) Appl. No.: **11/314,581**(22) Filed: **Dec. 21, 2005****Related U.S. Application Data**(60) Provisional application No. 60/662,131, filed on Mar.  
15, 2005. Provisional application No. 60/719,423,  
filed on Sep. 22, 2005.

A method and system for accelerating downloading and displaying of content in web pages in a peer-to-peer network is provided. A peer-to-peer network client captures a download request from a web browser, and submits a query that includes an identifier of the file to an indexing server. The peer-to-peer network client receives a peer list including connectivity information of a peer node that has stored at least a portion of the file content. The peer-to-peer network client then connects with the peer node, and downloads the portion from the peer node. The peer-to-peer client conveys the downloaded portion to the web browser.



Data Co. Exhibit 1052

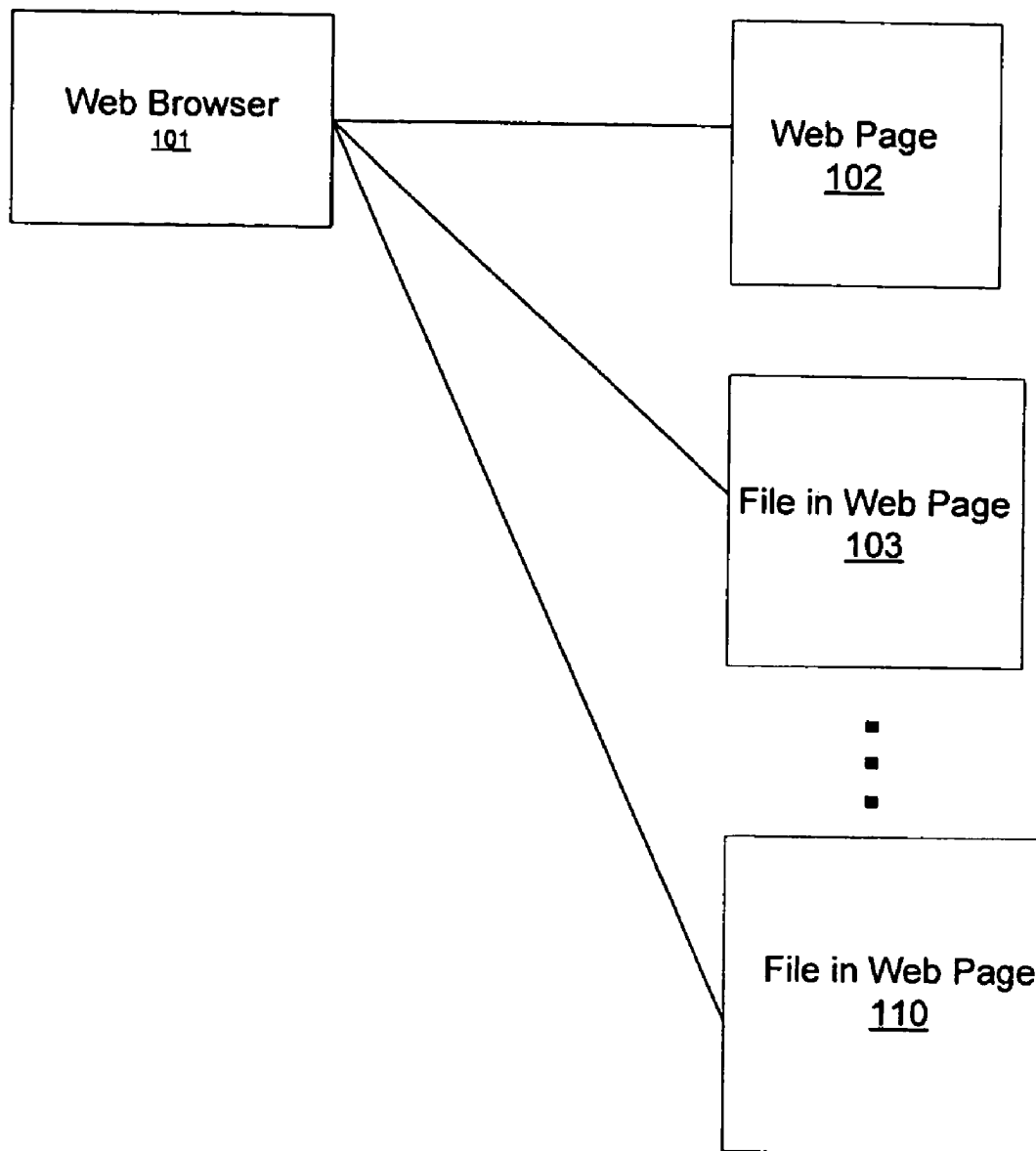


Figure 1

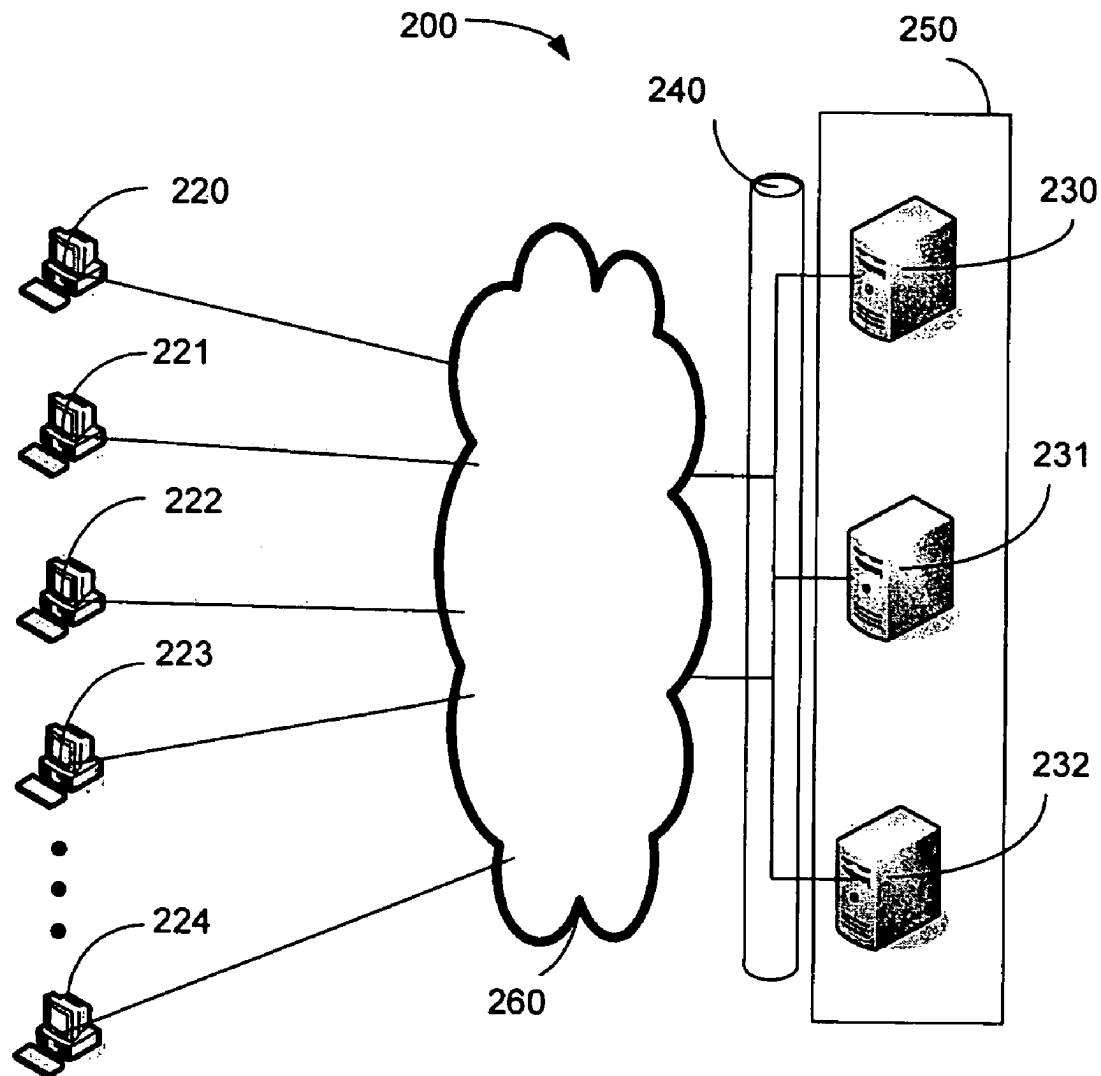


Figure 2

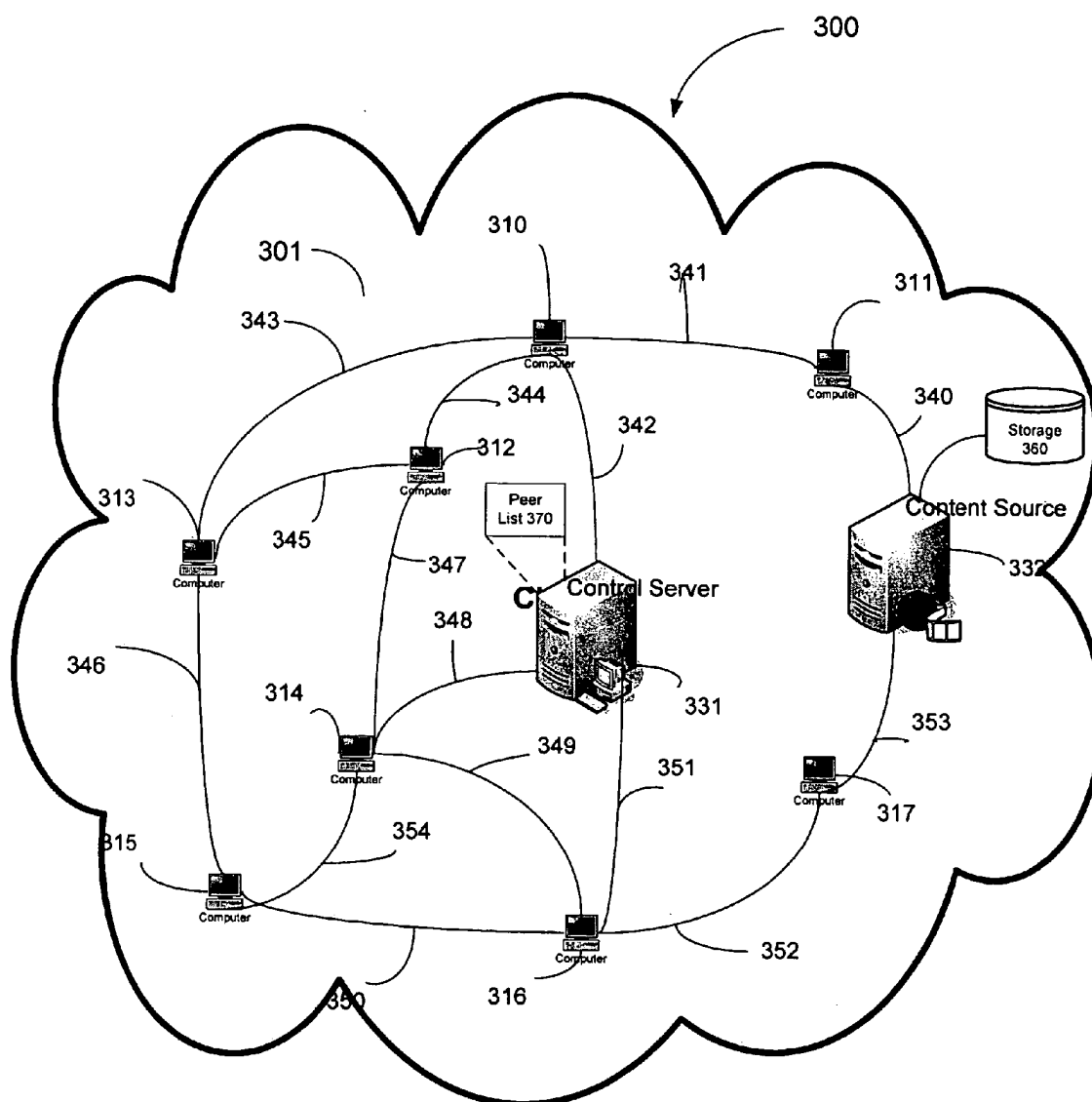


Figure 3

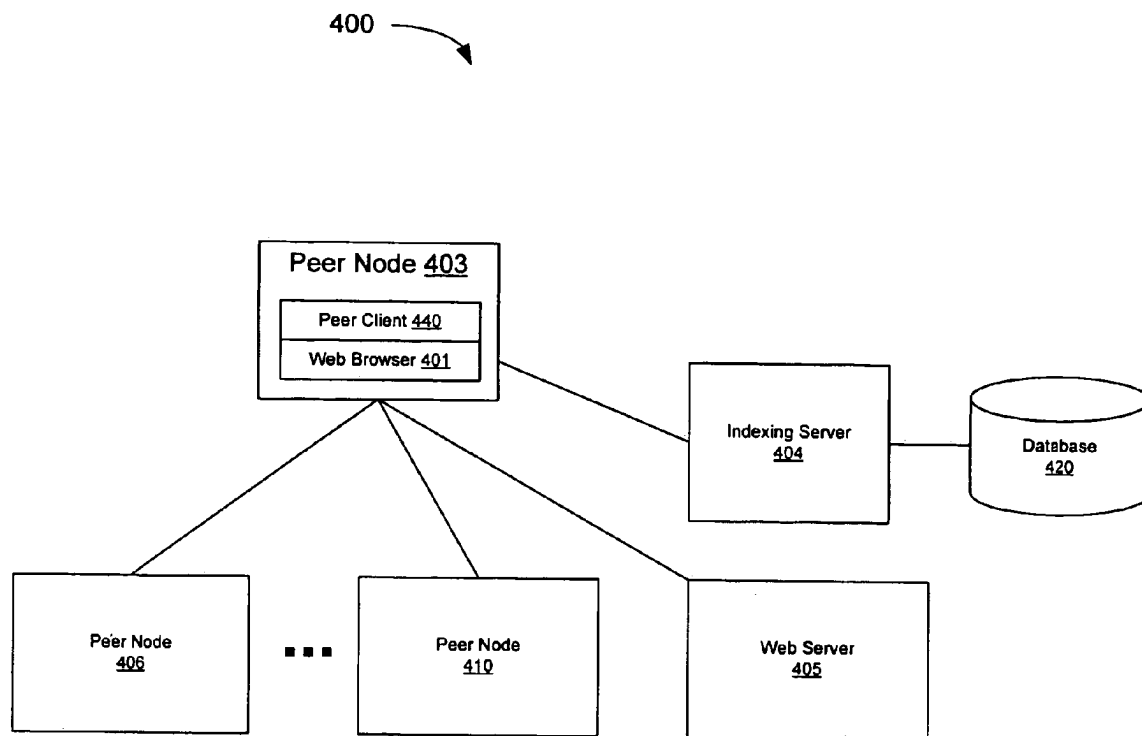


Figure 4

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