United States Patent [19]

Andersen

[54] **DATABASE ACCESS USING ACTIVE SERVER PAGES**

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[51] **Int. Cl.**[6] **G06F 17/30**
[52] **U.S. Cl.** **707/103**; 707/103; 707/104
[58] **Field of Search** 707/103, 104, 707/10

[56] **References Cited**

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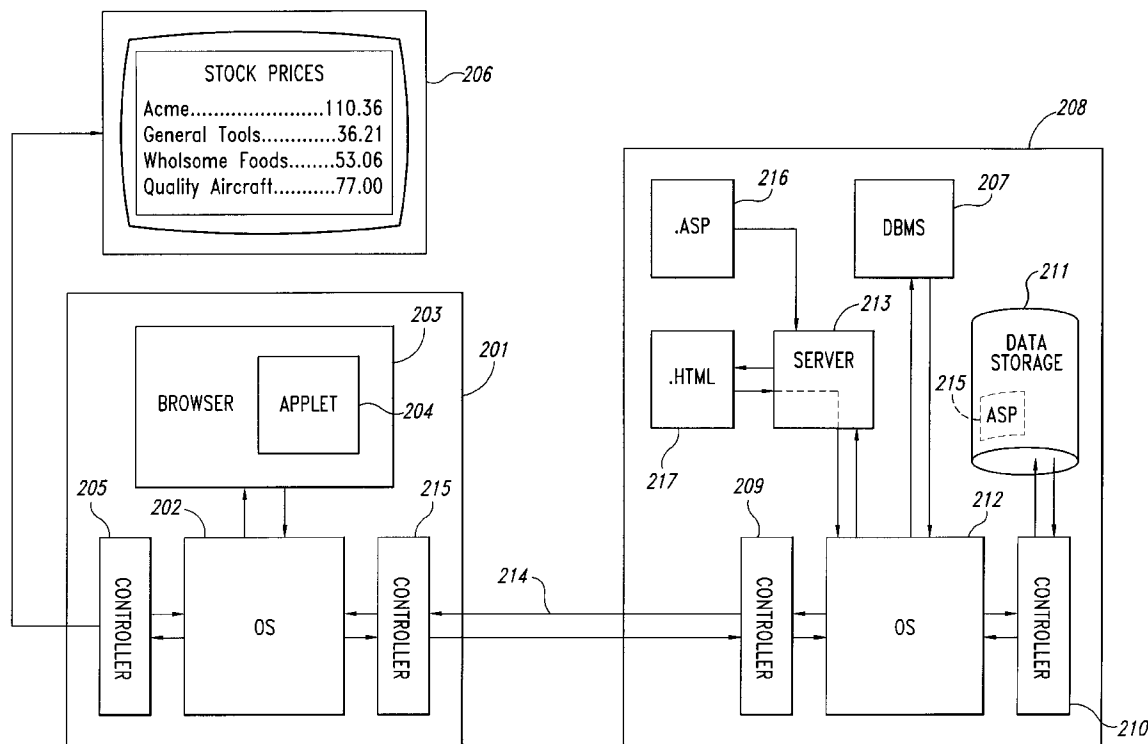|			
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[57] **ABSTRACT**

A method and system for accessing a database management system running on a server computer from within a JAVA applet running on a client computer. The JAVA applet prepares a URL to address an active server page on the server computer, embedding a database query within the URL. The JAVA applet then accesses the active server page using the prepared URL. The server computer, upon receiving a request for access to the active server page, executes a script stored within the active server page that receives the database query embedded within the URL, passes the query to the database management system, receives from the database management system the query results, creates a HTML document, and stores the query results in the HTML document. The server computer then returns the HTML document to the client computer, where the JAVA applet reads the query results from the HTML document.
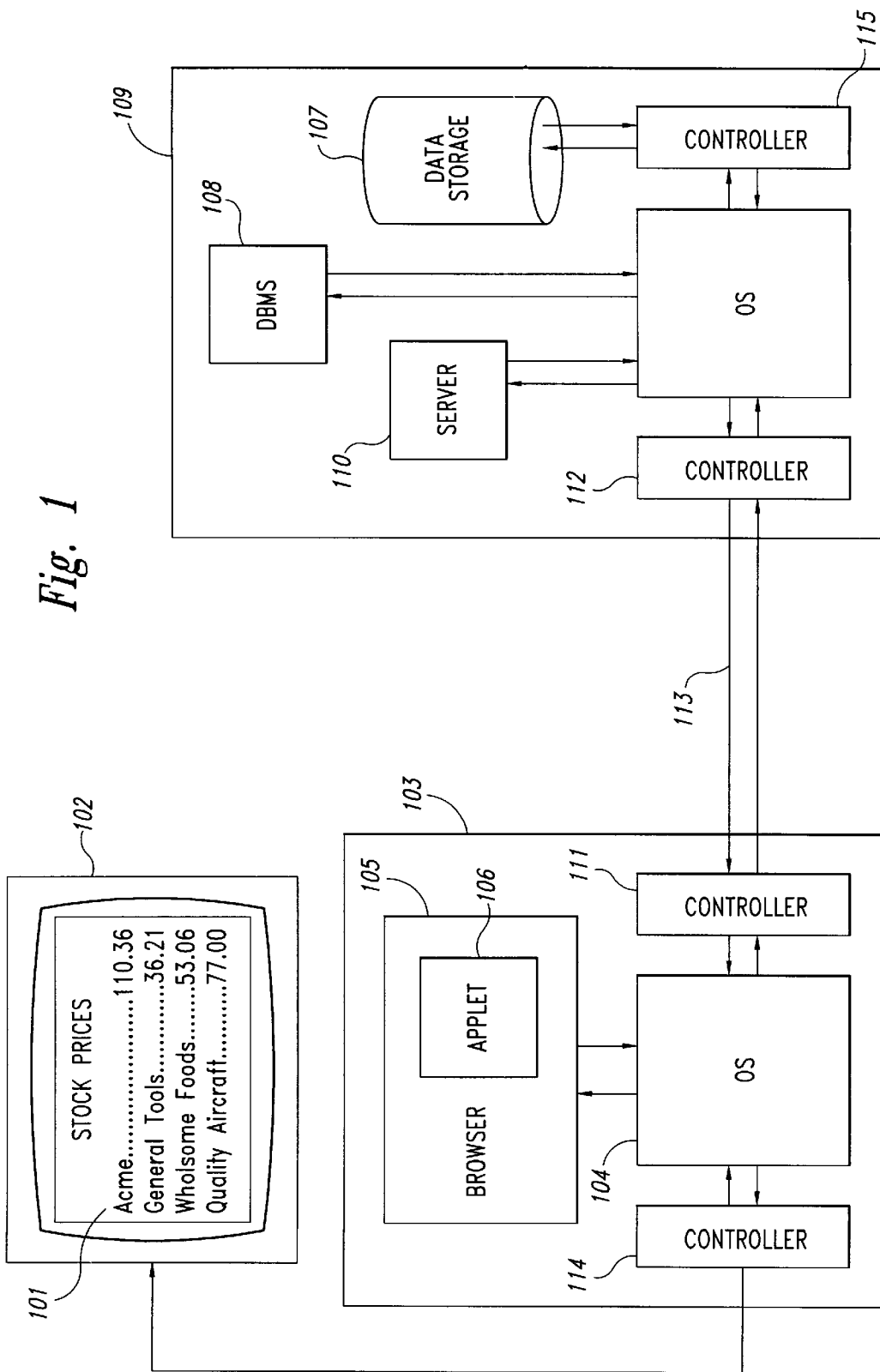
22 Claims, 4 Drawing Sheets
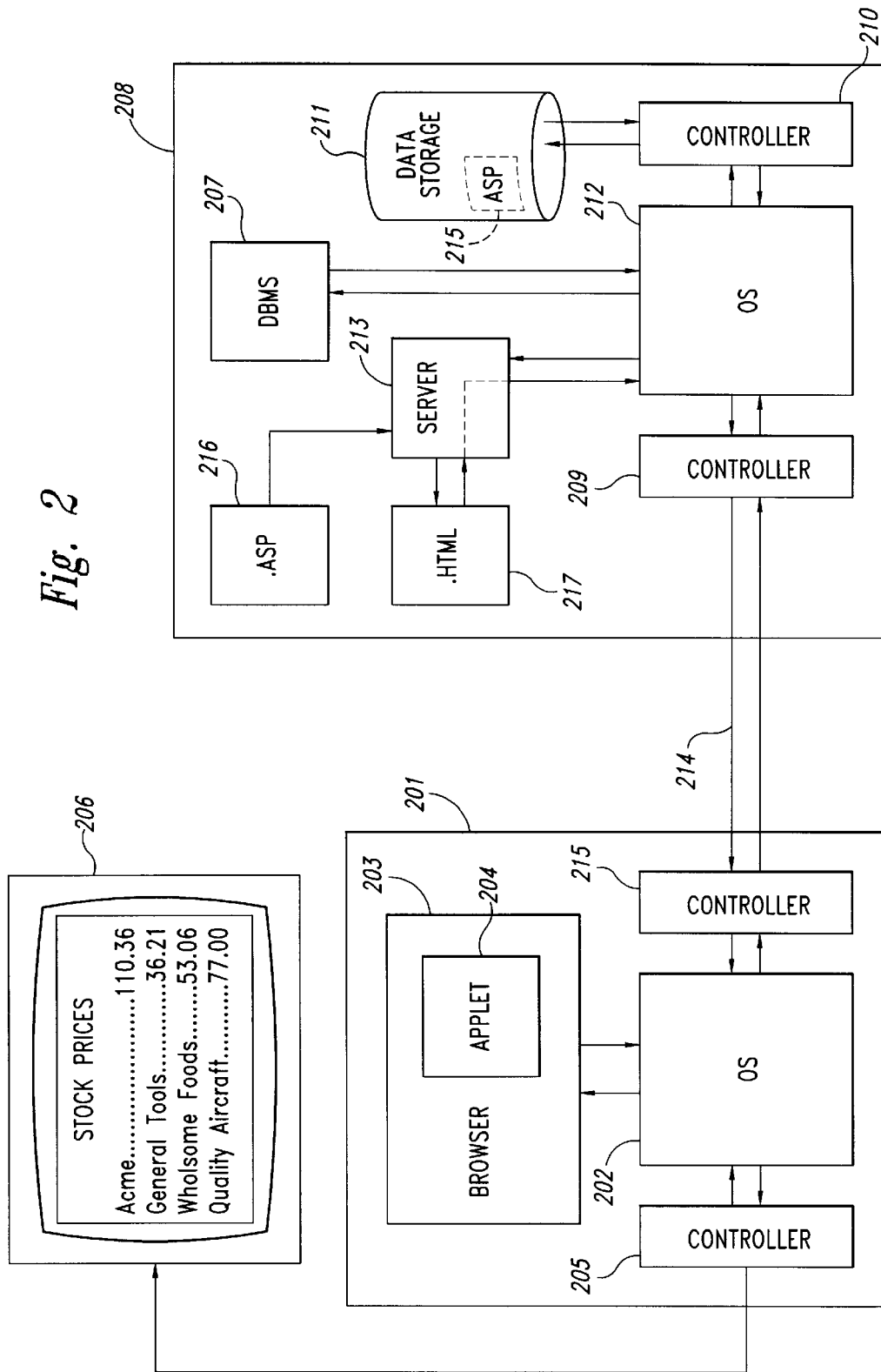
Fig. 1

Fig. 2

APPLET DB ACCESS

301 — CONSTRUCT URL, INCLUDING ARGUMENTS TO ASP

302 — OPEN, AS A FILE, THE ASP DESCRIBED BY THE URL

303 — FOR EACH LINE OF THE HTML FILE PRODUCED BY THE SERVER EXECUTING THE ASP, STARTING WITH THE FIRST

304 — READ THE LINE AND PAUSE IT ACCORDING TO PRE-DETERMINED FORMAT

305 — MOVE LINES?
YES / NO

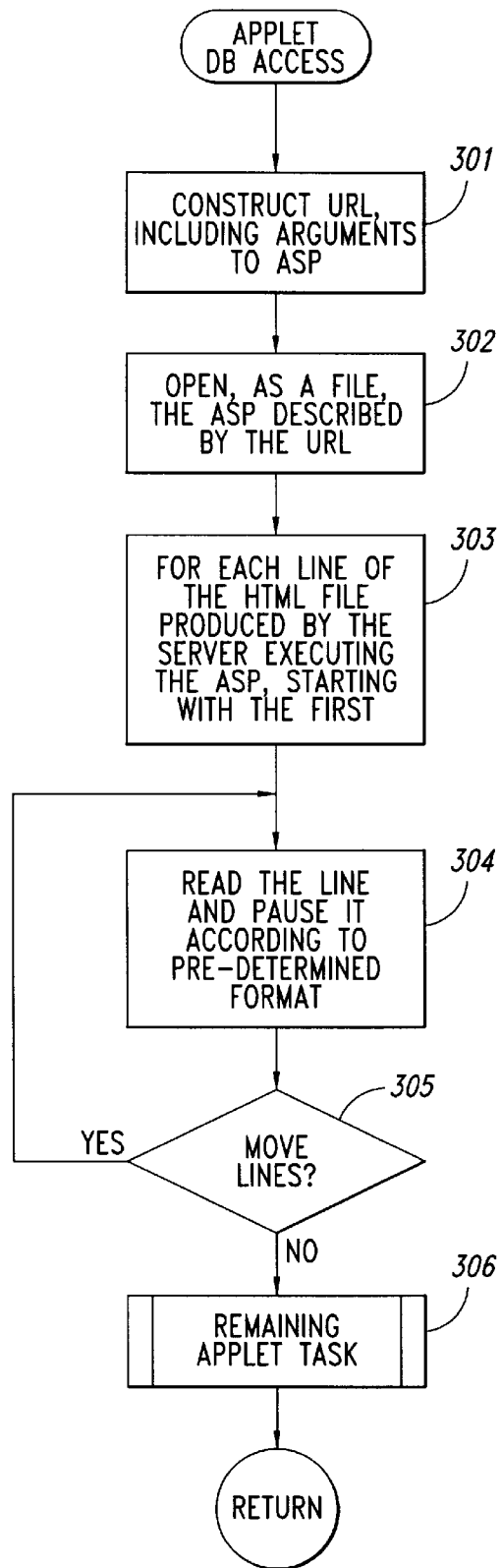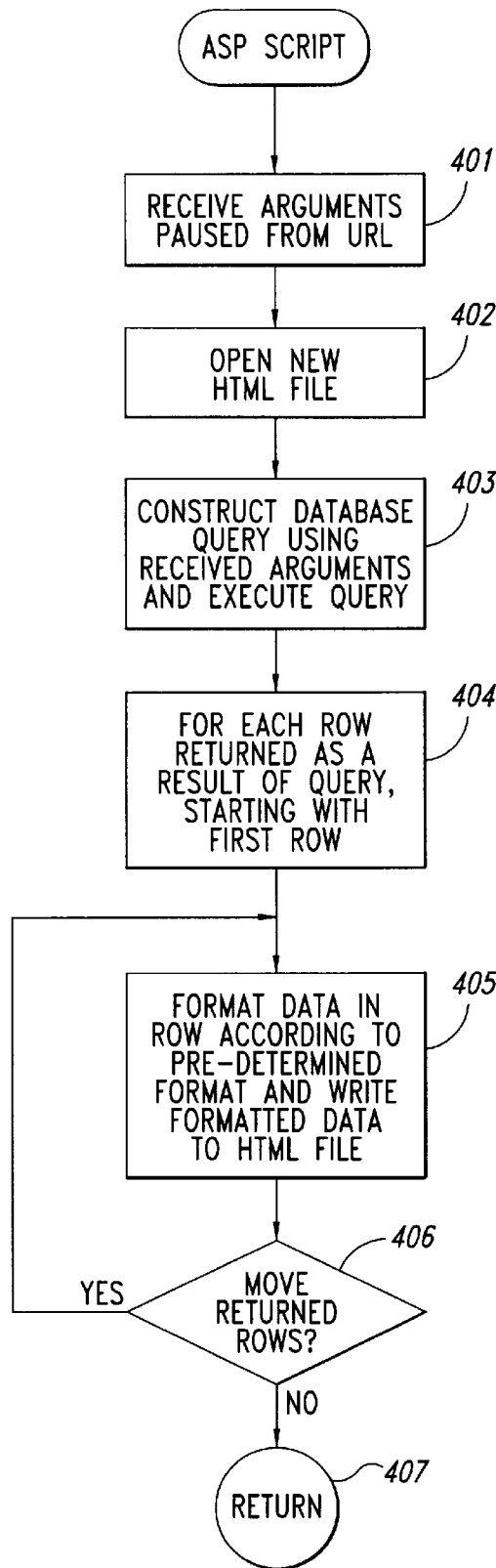306 — REMAINING APPLET TASK

RETURN

Fig. 3

Fig. 4

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