

(12) **United States Patent**
Mackintosh et al.

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- (54) **PRESENTING SUPPLEMENTAL INFORMATION FOR MATERIAL CURRENTLY AND PREVIOUSLY BROADCAST BY A RADIO STATION**
- (75) Inventors: **Gregory B. Mackintosh, Roselle; Mike H. Kim, Naperville; Edwin C. Price; Edward C. Stojakovic, both of Chicago, all of IL (US)**
- (73) Assignee: **RadioWave.com, Inc., S. Schaumburg**
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- (51) **Int. Cl.⁷** **G06F 15/16**
- (52) **U.S. Cl.** **709/219; 709/217; 709/218**
- (58) **Field of Search** **709/230, 236, 709/203, 216, 217, 219, 218; 707/517; 345/339; 705/1**

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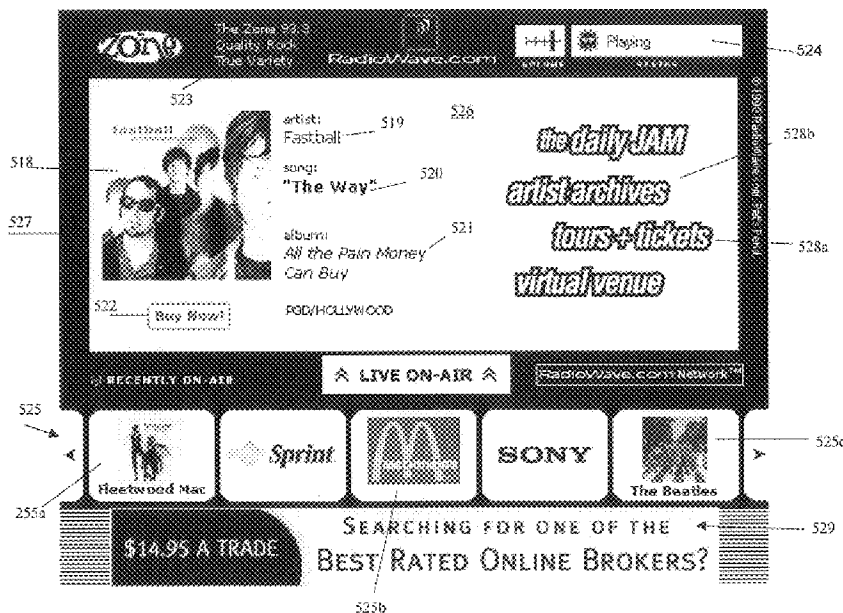
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Primary Examiner—Le Hien Luu
(74) *Attorney, Agent, or Firm*—Foley, Hoag & Eliot llp

(57) **ABSTRACT**

A media player for playing broadcast material and associated supplemental information includes a receiver configured to receive broadcast material from a broadcast service provider. The broadcast material includes program segments and program data related to one or more of said program segments. The player plays program segments of said received broadcast material on a user's terminal. An information retrieval module forwards an item of program data related to a given one of the program segments to a first server enabling the server to retrieve parameters identifying one or more items of supplemental material for said given program segment. The information retrieval module forwards the parameters to a second server to retrieve supplemental materials from said second server based on the parameters, and providesteh supplemental materials to the player for playback with a given program segment of broadcast material.

24 Claims, 13 Drawing Sheets



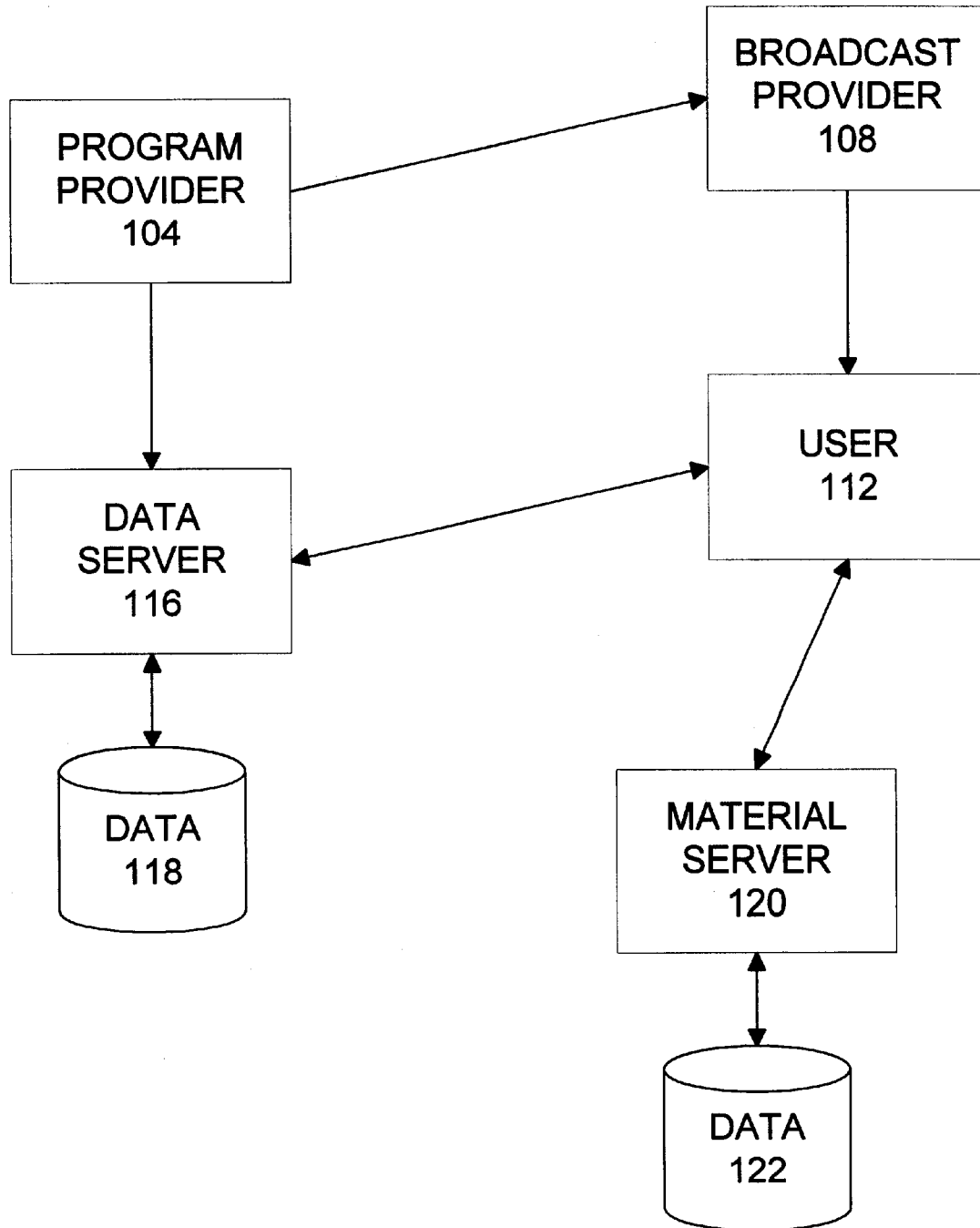


Fig. 1

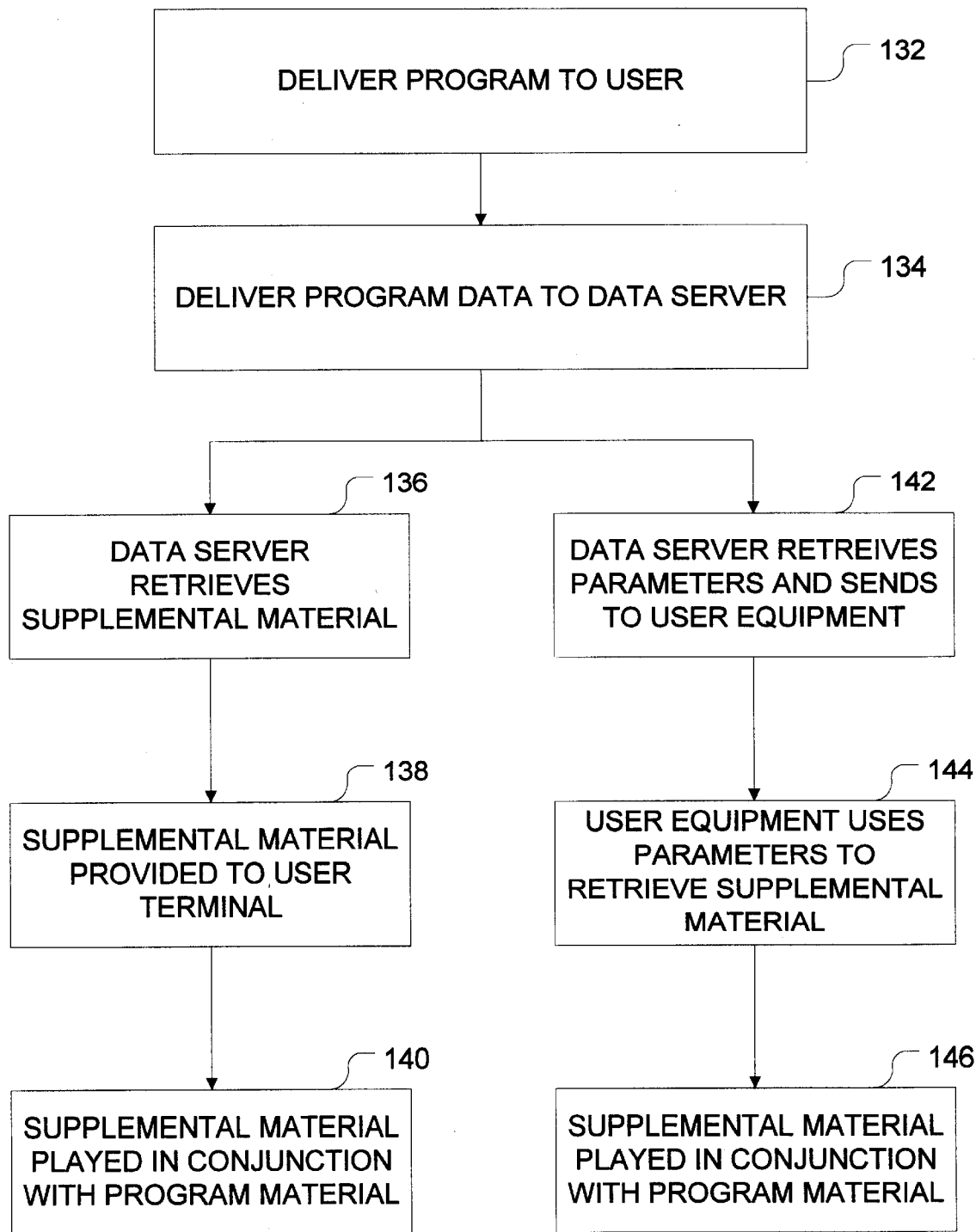


Fig. 2

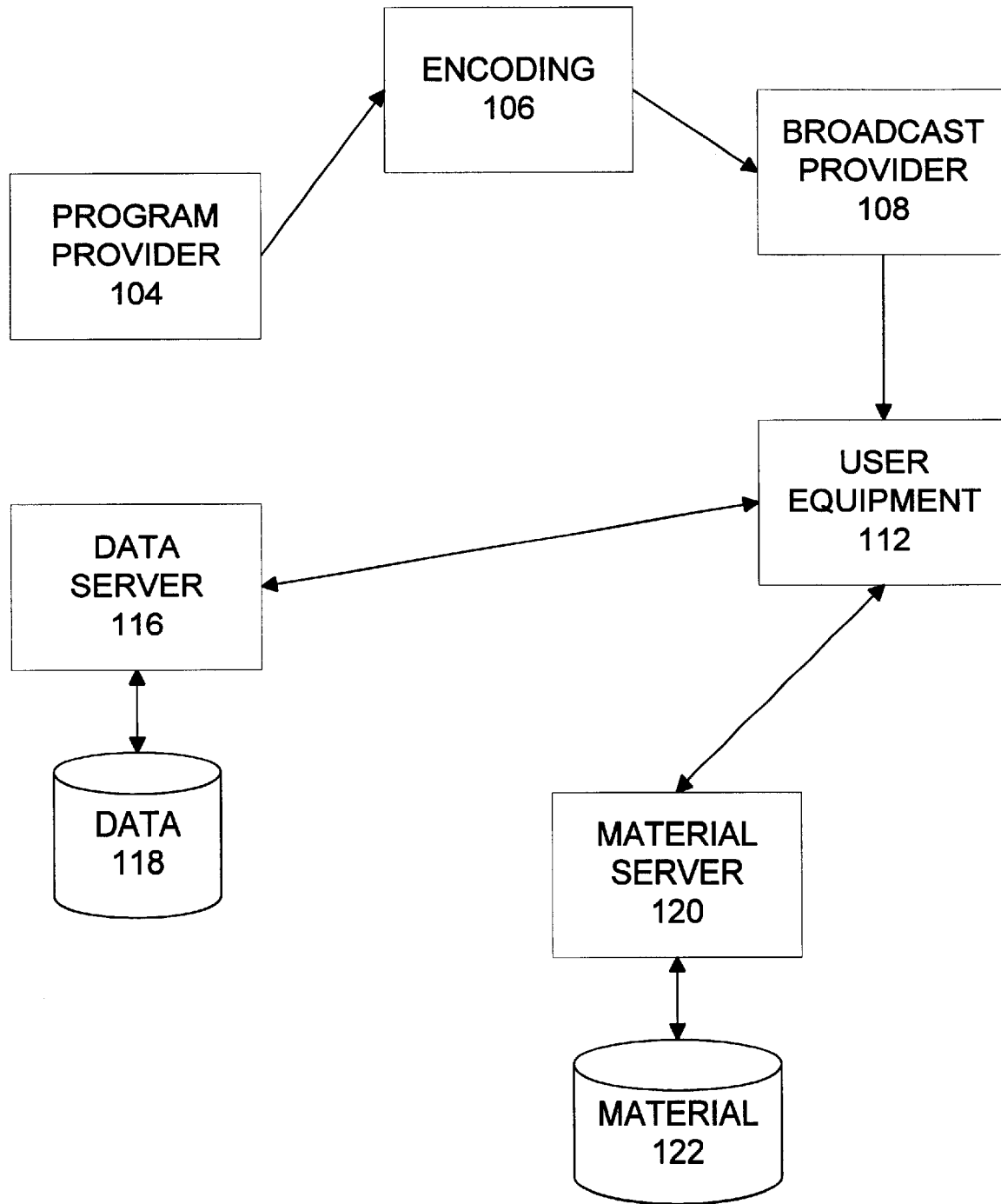


Fig. 3

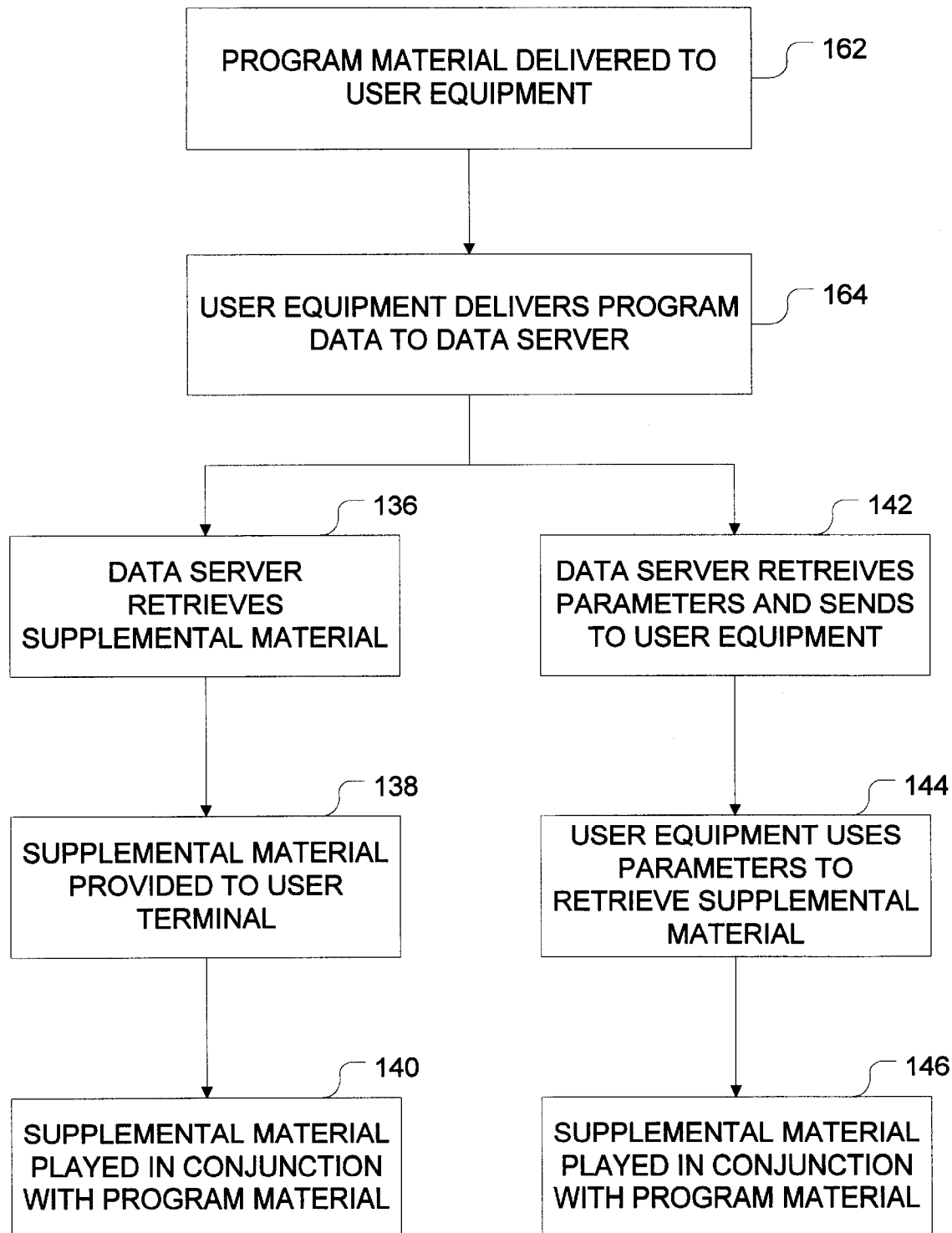


Fig. 4

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