

EXHIBIT 4



United States Patent [19]

[11] **Patent Number:** **6,092,080**

Gustman

[45] **Date of Patent:** **Jul. 18, 2000**

[54] **DIGITAL LIBRARY SYSTEM**

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[73] **Assignee:** Survivors of the Shoah Visual History Foundation, Los Angeles, Calif.

[21] **Appl. No.:** 09/184,796

[22] **Filed:** Nov. 2, 1998

Related U.S. Application Data

[60] Continuation of application No. 08/677,539, Jul. 10, 1996, Pat. No. 5,832,499, which is a division of application No. 09/076,504, Jul. 10, 1996, and a continuation of application No. 08/680,504, Jul. 8, 1996, Pat. No. 5,832,495.

[51] **Int. Cl.⁷** **G06F 17/30**

[52] **U.S. Cl.** **707/103; 707/3; 707/6; 707/102**

[58] **Field of Search** **707/3, 6, 102, 707/103; 708/26, 39, 44; 709/103; 380/4; 345/356; 713/200; 714/20, 26; 702/186**

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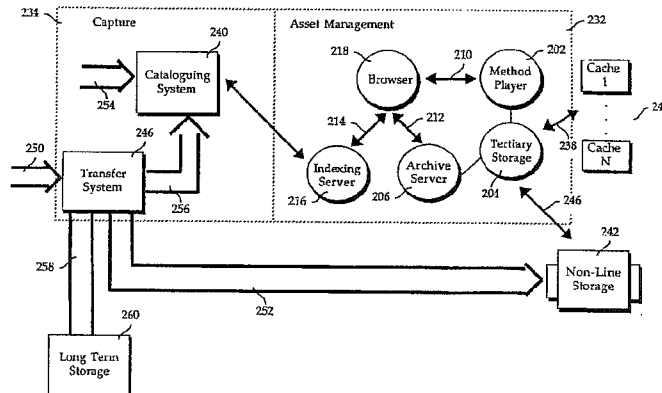
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[57] **ABSTRACT**

The invention is a digital library system that includes: 1) a data capture mechanism that includes data transfer and cataloguing mechanisms, 2) an asset management system for access and storage management of data, and 3) a distribution system for distributing the data and system functionality. A data capture system includes a transfer system and a cataloguing system. The transfer system converts multimedia material that exists in analog form to a digital format. The cataloguing system catalogues data. The cataloguing system creates a catalogue that can be used to perform content-based searches. A content-based search retrieves data based on the ideas or concepts contained in the data. An asset management system is used to access the data using the catalogue created by the cataloguing system. A distribution facility can be used to transmit the data thus giving a user access to all of the data contained in the digital library system despite the user's location.

16 Claims, 9 Drawing Sheets



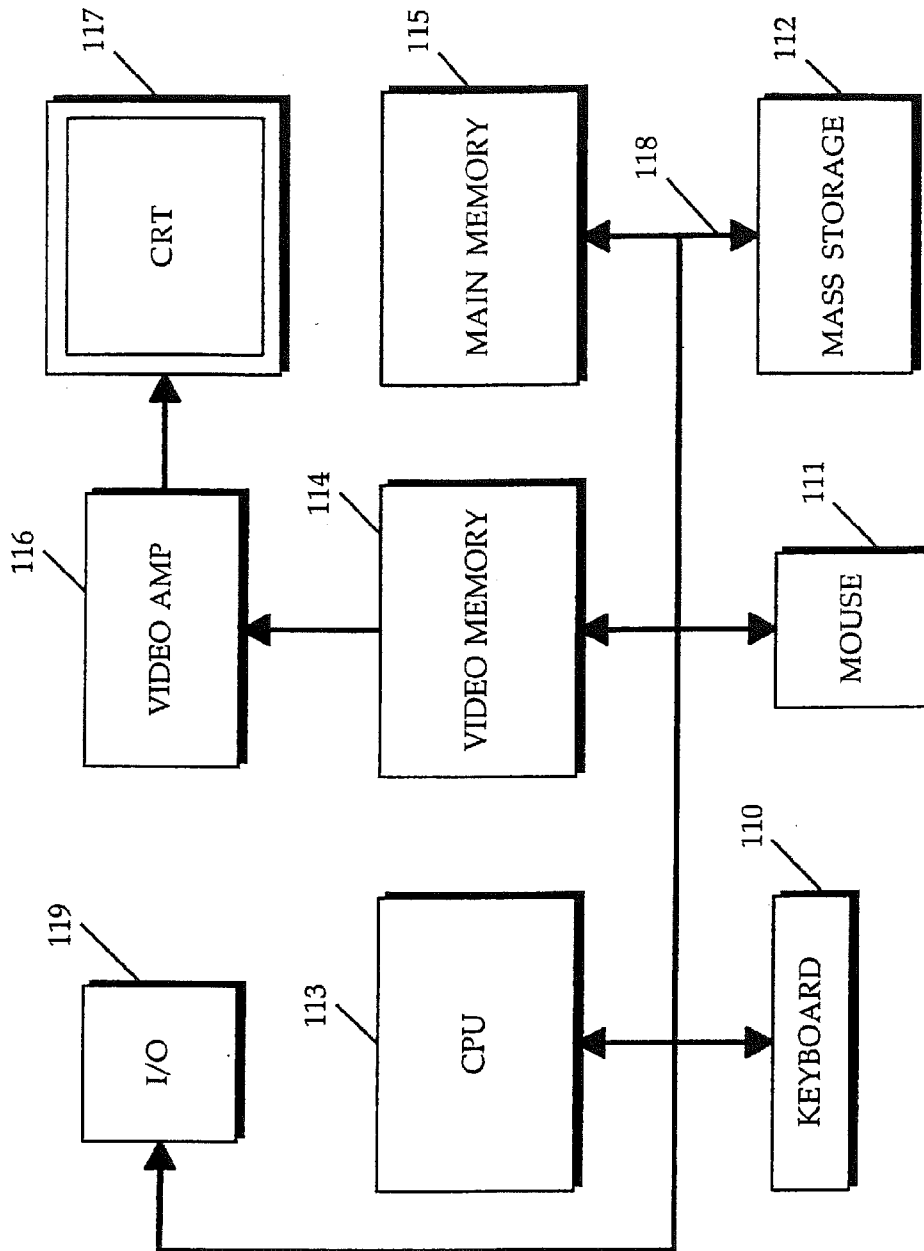


Figure 1

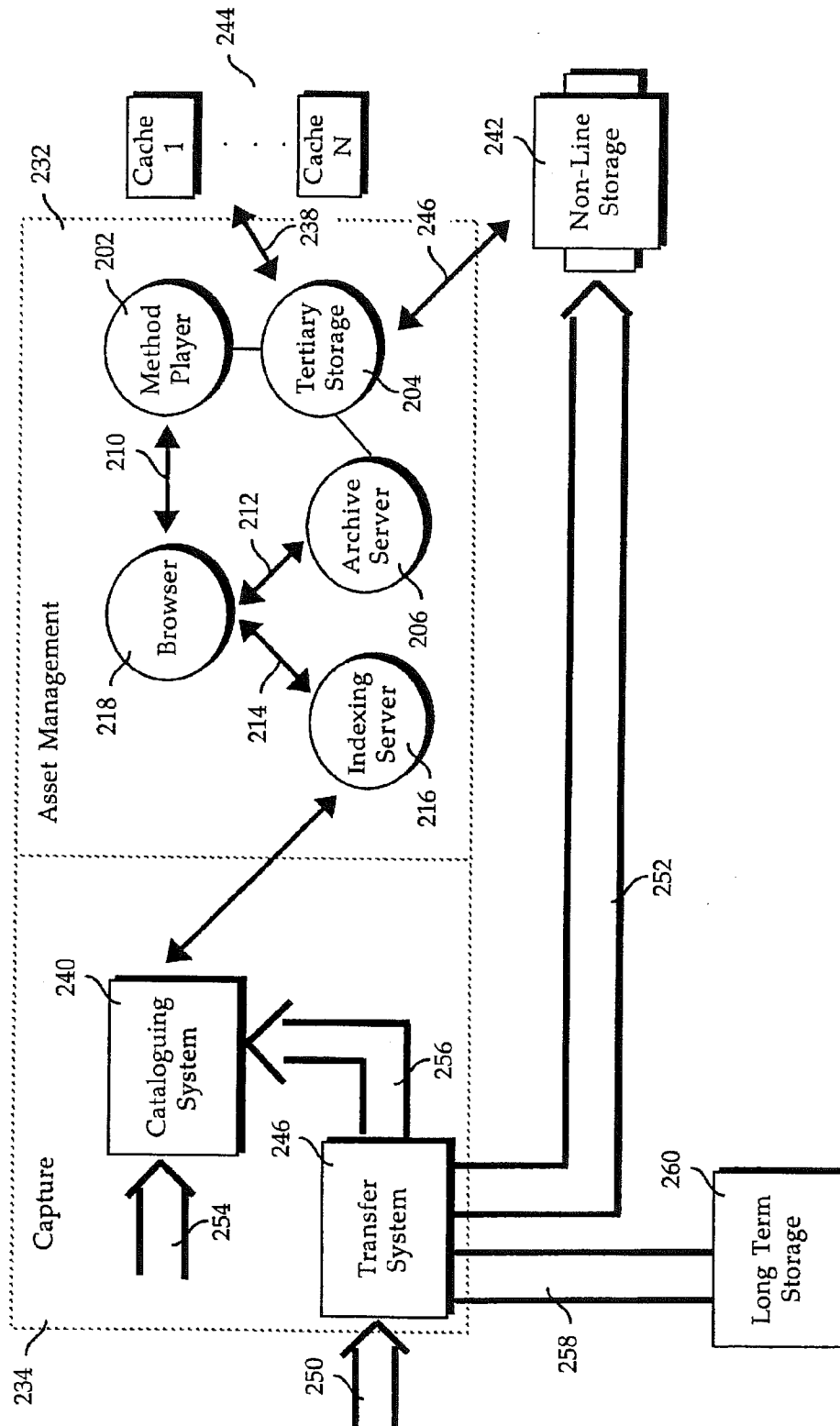


Figure 2

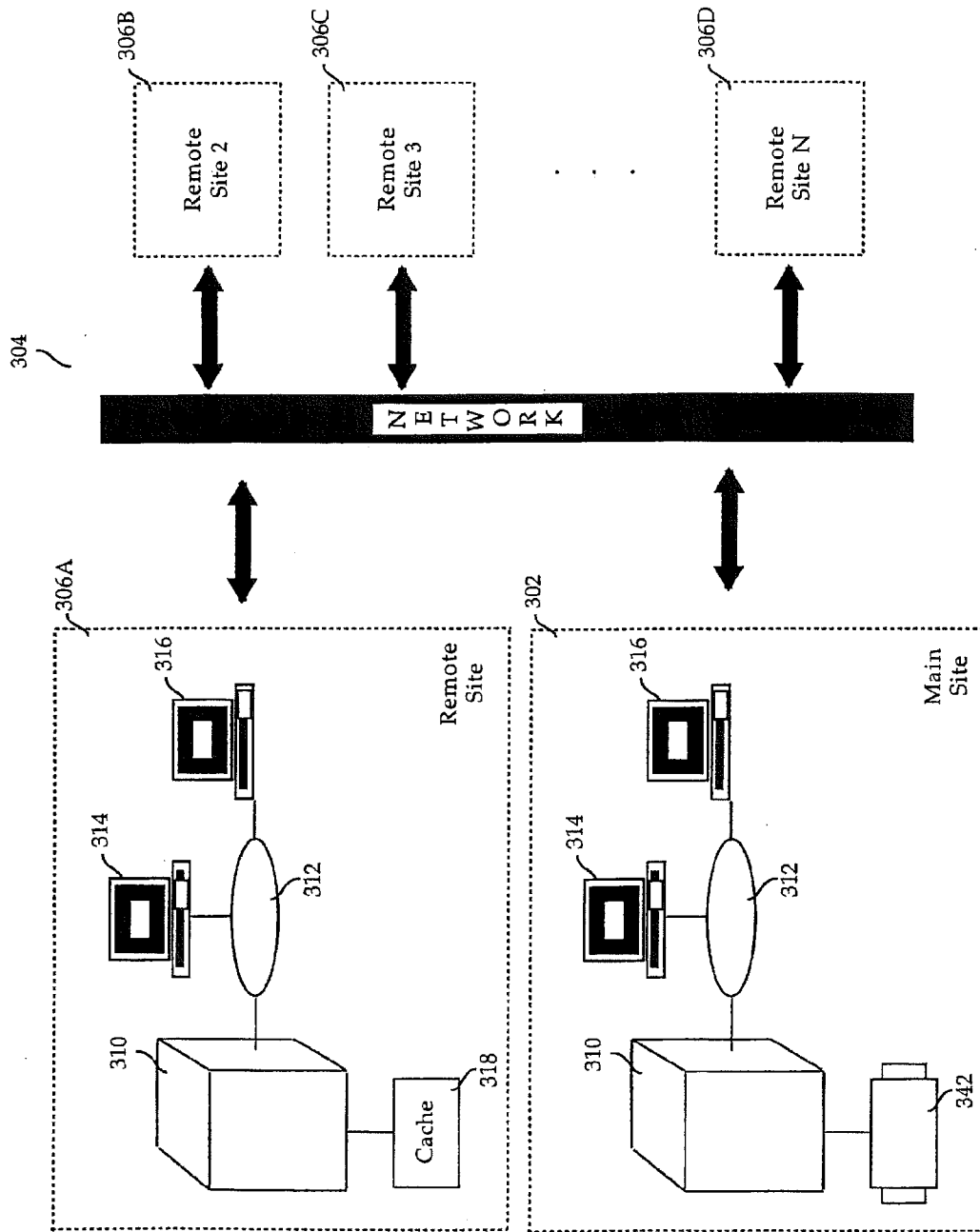


Figure 3

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