



US006035339A

United States Patent [19]**Agraharam et al.**[11] **Patent Number:** **6,035,339**[45] **Date of Patent:** ***Mar. 7, 2000**

- [54] **NETWORK INFORMATION DELIVERY SYSTEM FOR DELIVERING INFORMATION BASED ON END USER TERMINAL REQUIREMENTS**
- | | | | |
|-----------|--------|---------------------|------------|
| 5,666,487 | 9/1997 | Goodman et al. | 395/200.76 |
| 5,727,159 | 3/1998 | Kikinis | 395/200.76 |

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- [*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

- [21] Appl. No.: **08/816,234**

- [22] Filed: **Mar. 13, 1997**

- [51] Int. Cl.⁷ **G06F 13/00**

- [52] U.S. Cl. **709/246; 709/228; 709/230**

- [58] Field of Search **364/140; 395/126; 709/246, 228, 230**

- [56] **References Cited**

U.S. PATENT DOCUMENTS

5,245,656 9/1993 Loeb et al. 380/23

Primary Examiner—Le Hien Luu*Attorney, Agent, or Firm*—Oliff & Berridge, PLC[57] **ABSTRACT**

A network information delivery system automatically determines end-user information output requirements based on predetermined data corresponding to each requesting end-user terminal. A user profile is maintained in a database either associated with a network information delivery system or with the end-user terminal and is accessed by the network information delivery device. If the network information delivery device has authority to access the end-user terminal, a program may be downloaded to the end-user terminal to determine the exact end-user terminal configuration. The program executing in the end-user terminal returns to the network information delivery device a user profile containing the end-user terminal capabilities so that the requested information may be formatted and delivered to the end-user in an optimal manner. The information to be delivered to end-users may be pre-stored in predetermined formats. The predetermined formats may be determined based on a volume of requests and the characteristic of the information. The information may also be stored in a generic format so that packaging the information for a specific user may be efficiently and timely performed.

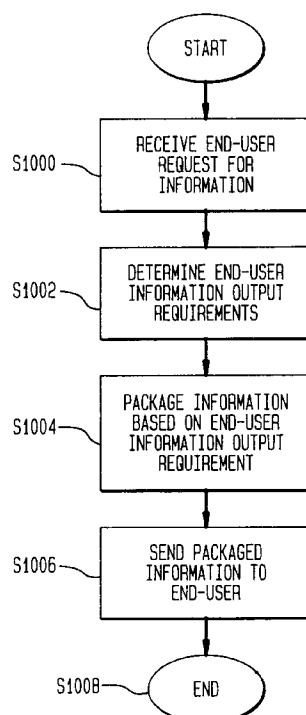
25 Claims, 8 Drawing Sheets**VIDEOLABS, INC.**

FIG. 1

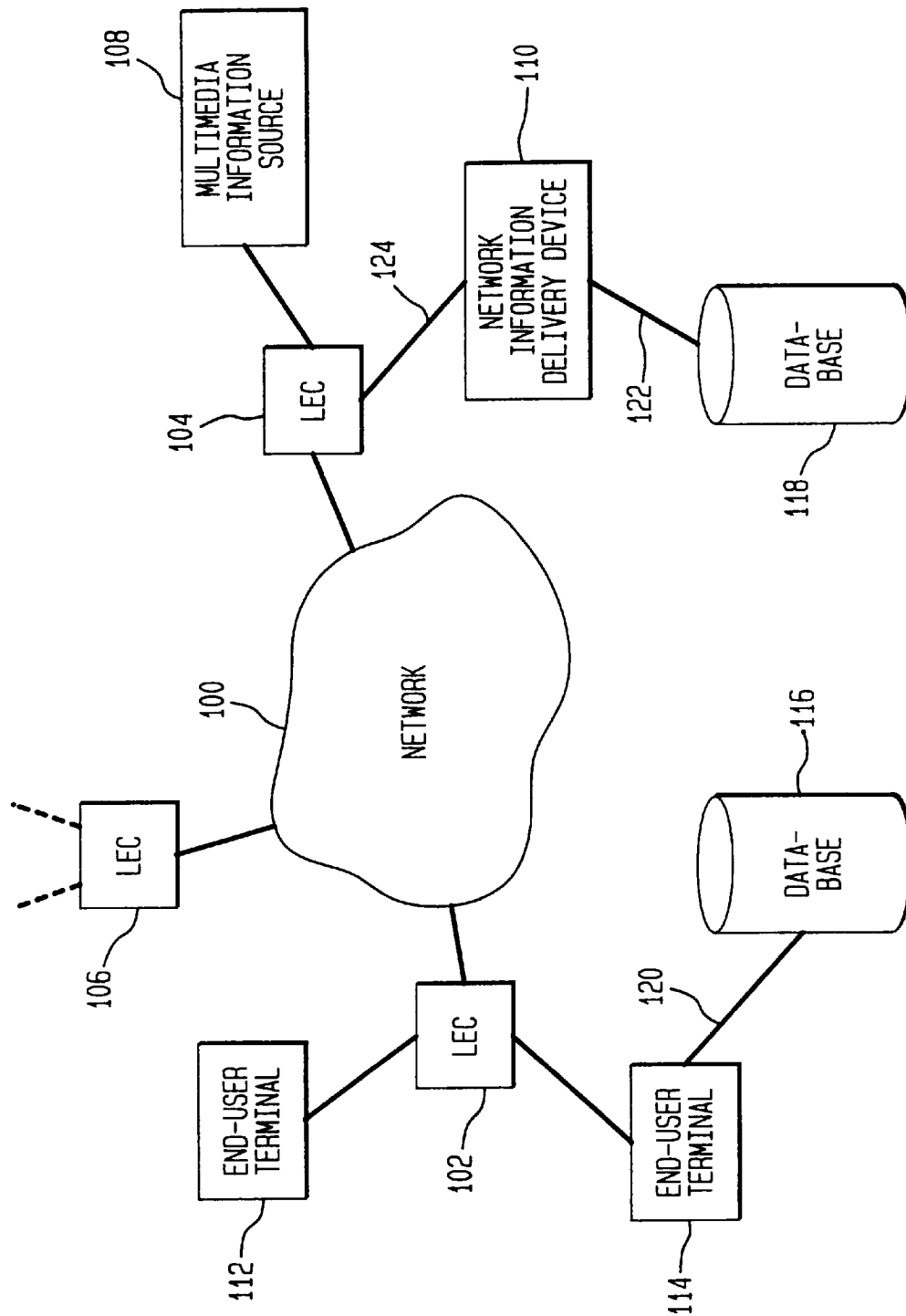


FIG. 2

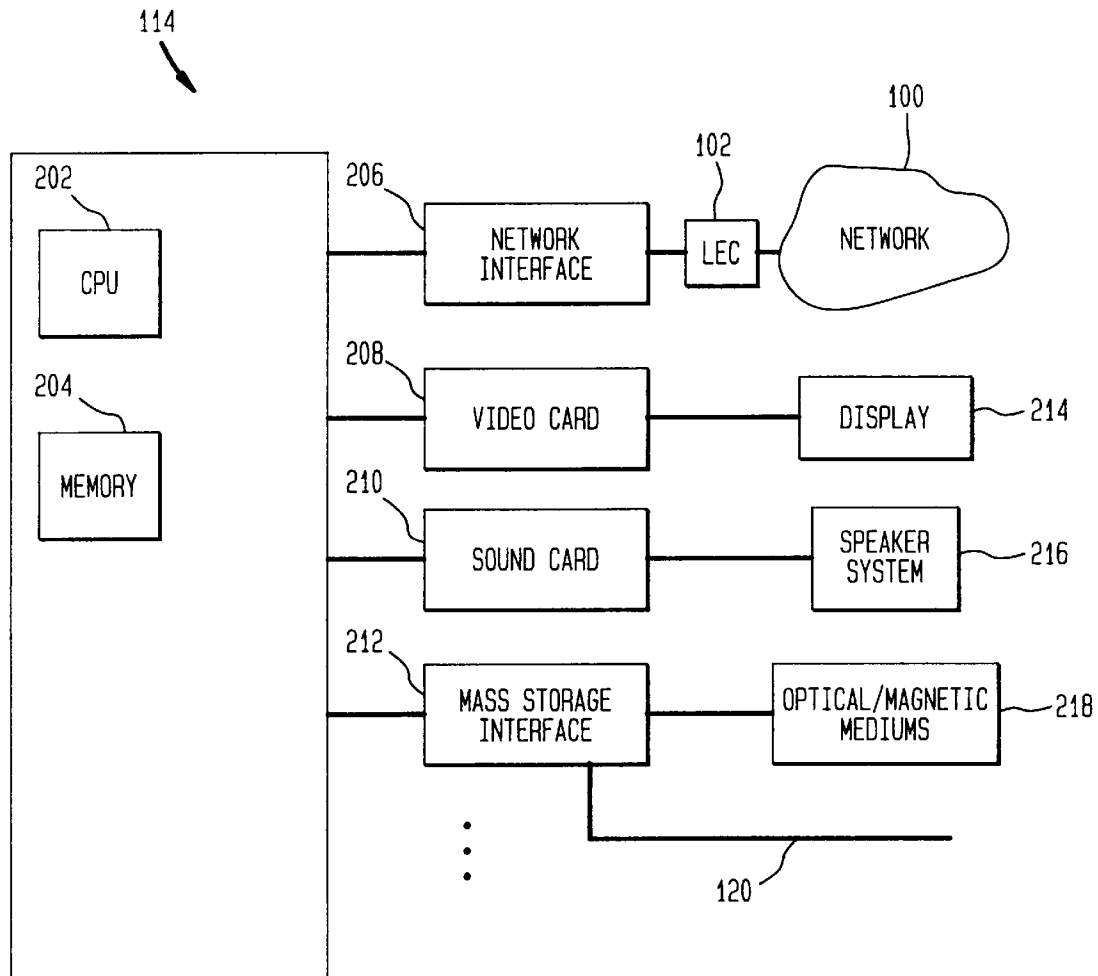


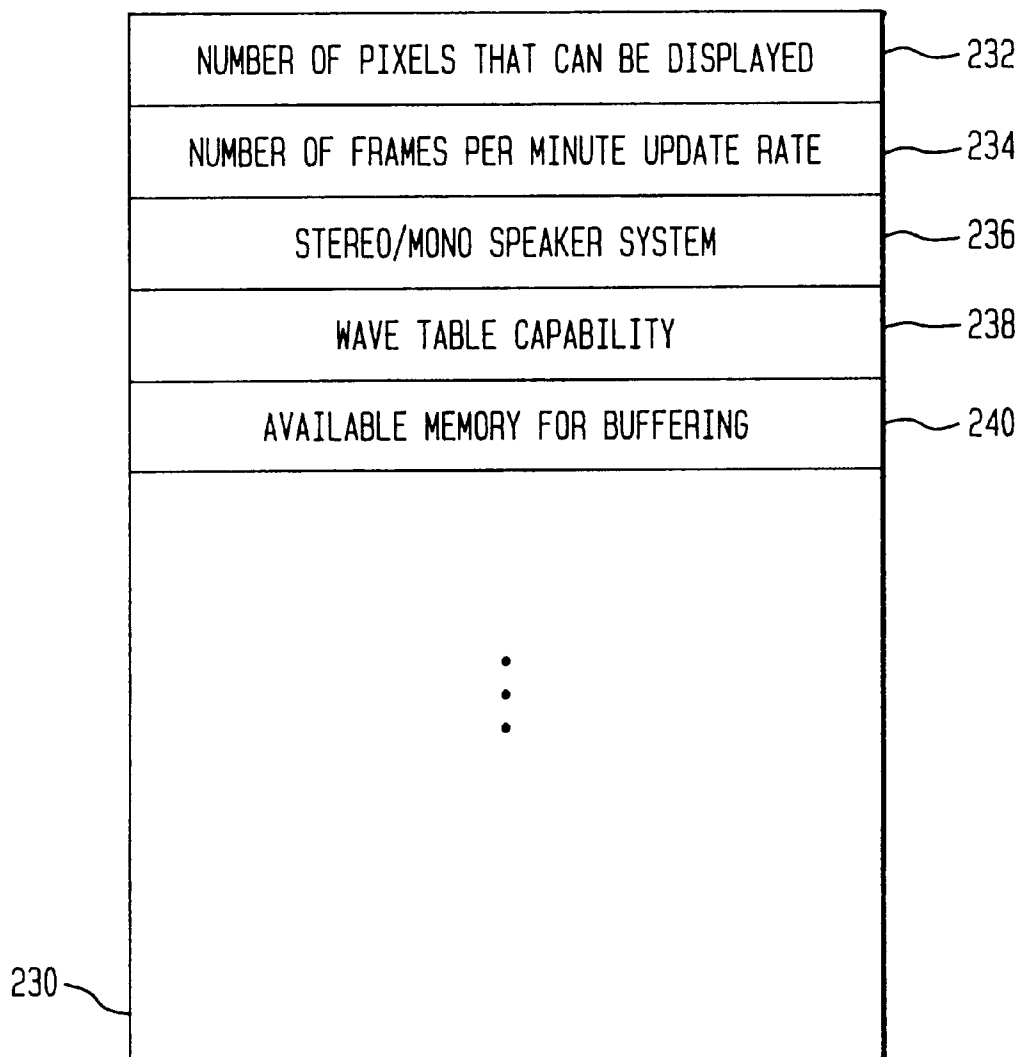
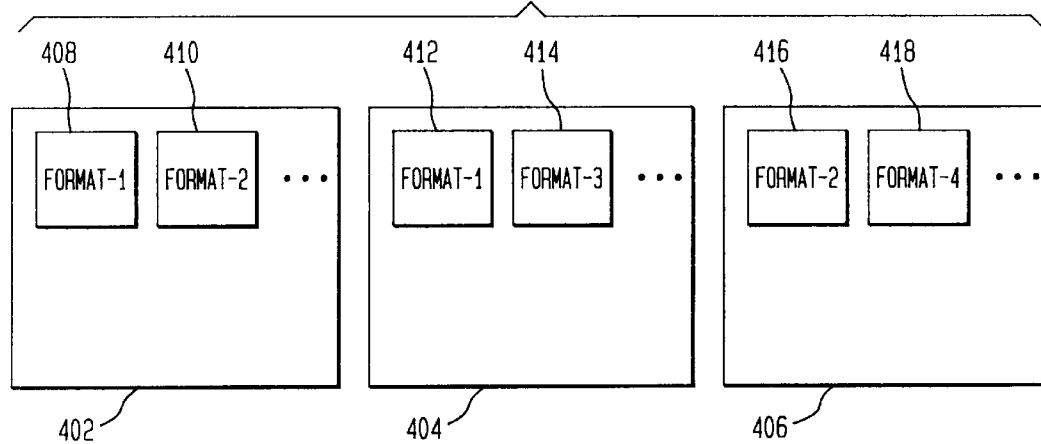
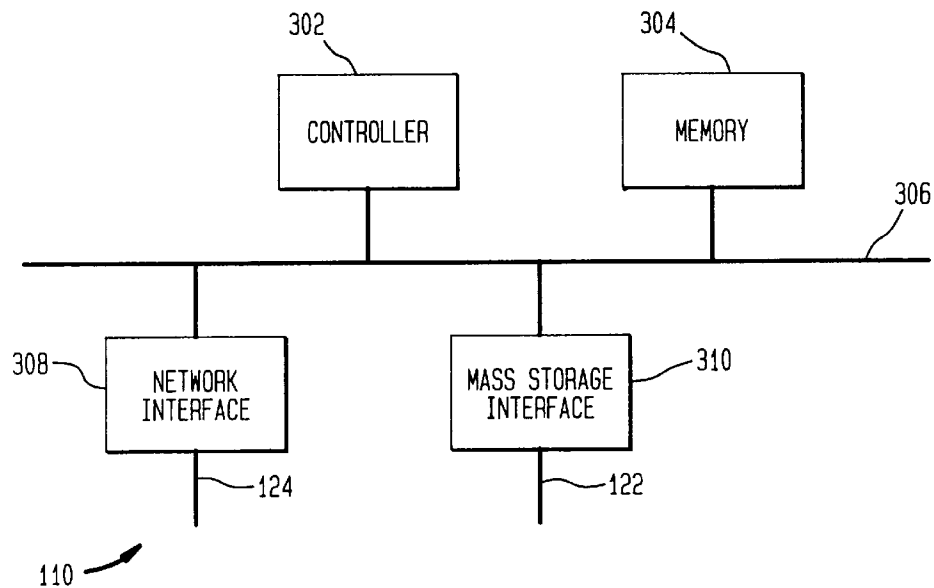
FIG. 3

FIG. 4**FIG. 5**

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