



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

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(45) **Date of Patent:** **Jan. 30, 2001**

(54) **PROGRAMMING TOOL FOR HOME NETWORKS WITH AN HTML PAGE FOR A PLURALITY OF HOME DEVICES**

5,956,487 * 9/1999 Venkatraman et al. 709/218
6,005,861 * 12/1999 Humpleman 370/352
6,097,441 * 8/2000 Allport 348/552

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OTHER PUBLICATIONS

“Dawn of the Internet Appliance,” Greg Lawtom, Computer, vol. 30, No. 10, pp. 16, 18, Coden: CPTRB4, Oct. 1997.*

(73) Assignee: **Samsung Electronics Co., Ltd.**, Suwon (KR)

“Browser-style Interfaces to a home Automation Network,” Corcoran et al., Proceedings of the 1997 IEEE Transactions on Consumer Electronics, Voluem 43, No. 4, pp. 1063–1069, Nov. 1997.*

(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

* cited by examiner

(21) Appl. No.: **09/104,606**

Primary Examiner—Hosain T. Alam

(22) Filed: **Jun. 24, 1998**

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Related U.S. Application Data

(57) **ABSTRACT**

(60) Provisional application No. 60/050,762, filed on Jun. 25, 1997, and provisional application No. 60/059,499, filed on Sep. 22, 1997.

A method and system for generating a program guide for a home network having at least one multi-media device connected thereto is provided. According to the method, multi-media material associated with a first home device is identified. An HTML page is generated, based on the identified multi-media material associated with the first home device. The HTML page is stored in an accessible area on the first home device. A second home device, which is browser based, may be connected to the home network to receive the HTML page and to render the HTML page, for display to a user.

(51) **Int. Cl.**⁷ **G06F 17/30**

(52) **U.S. Cl.** **707/513; 707/10; 707/104; 345/352; 709/218**

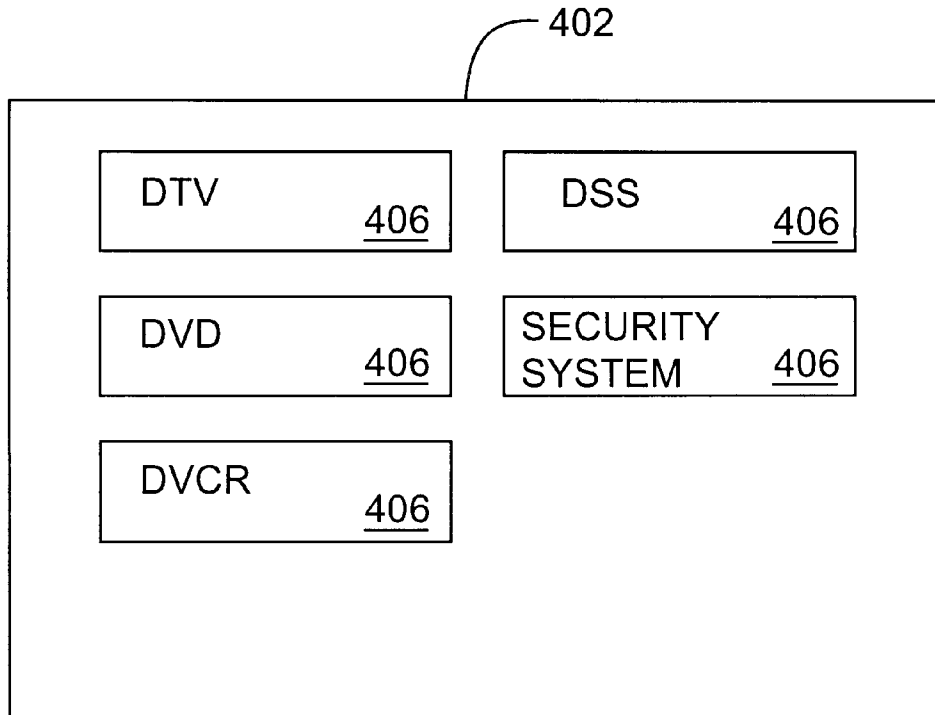
(58) **Field of Search** 707/104, 10, 501, 707/513, 1–3; 709/217–218; 345/355–357, 352–354

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,940,387 * 8/1999 Humpleman 370/352

17 Claims, 16 Drawing Sheets



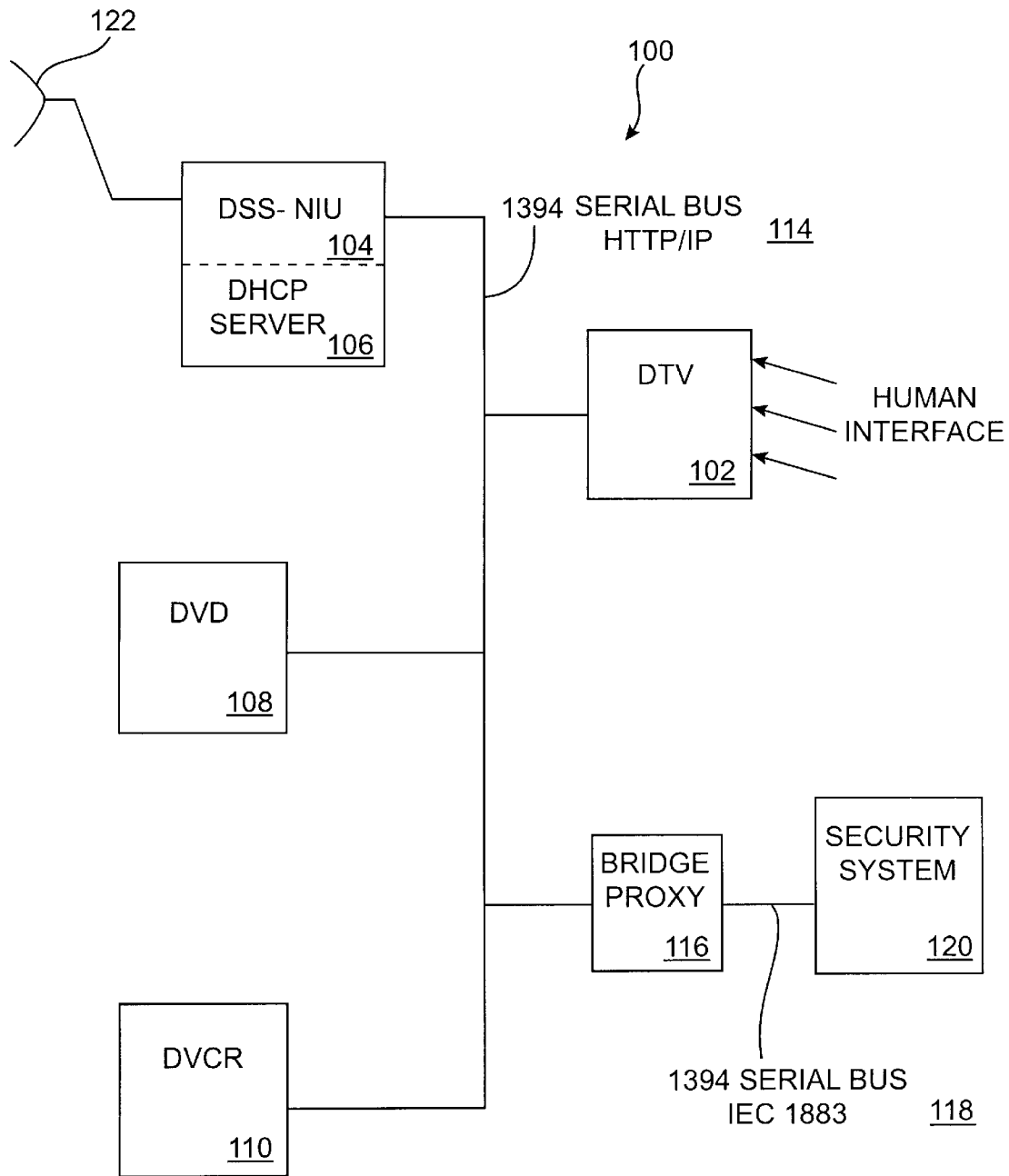


FIG. 1

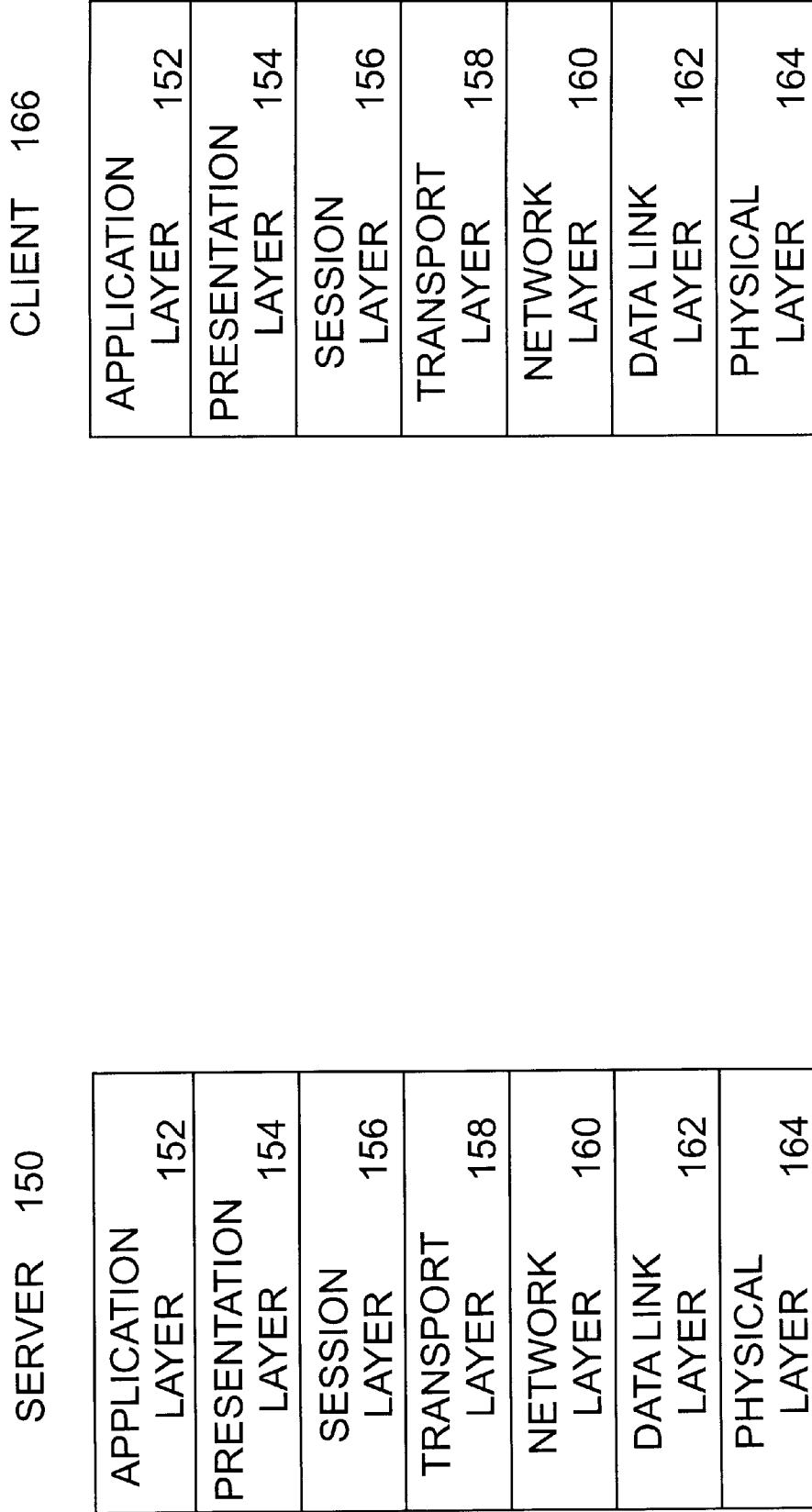


FIG. 2

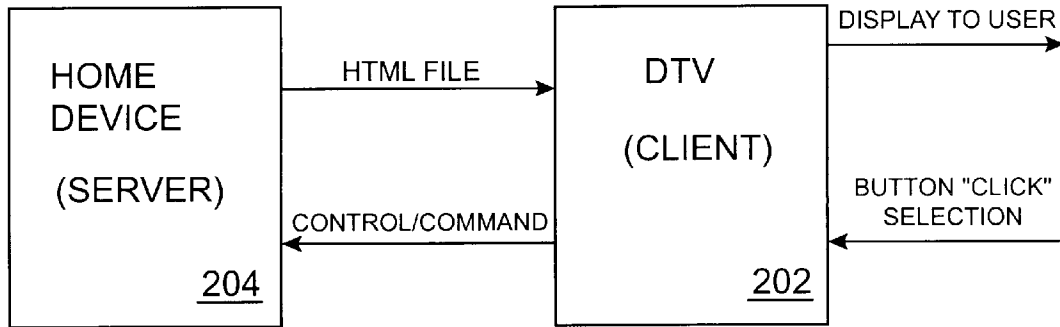


FIG. 3A

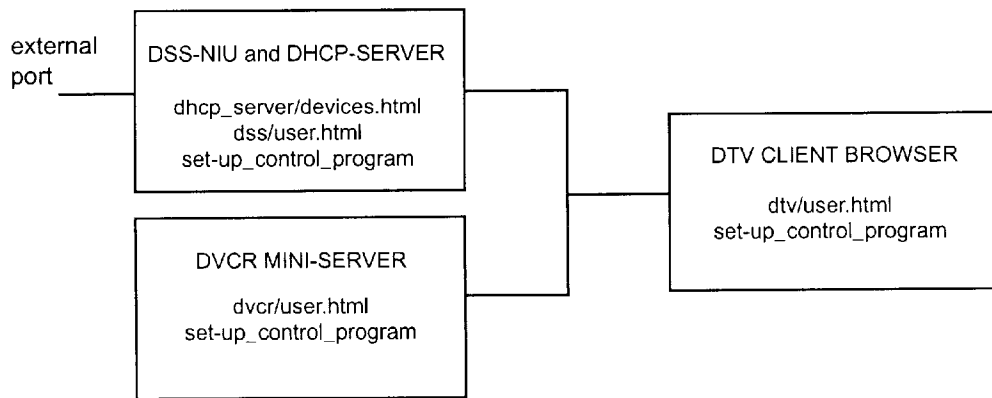


FIG. 3B

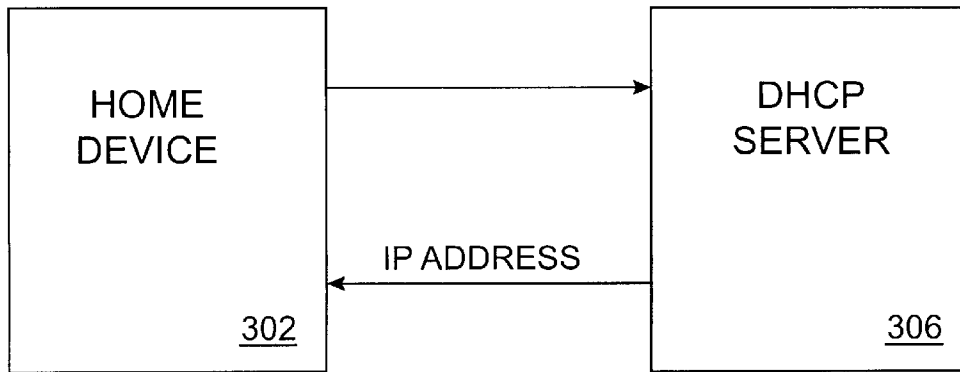


FIG. 4A

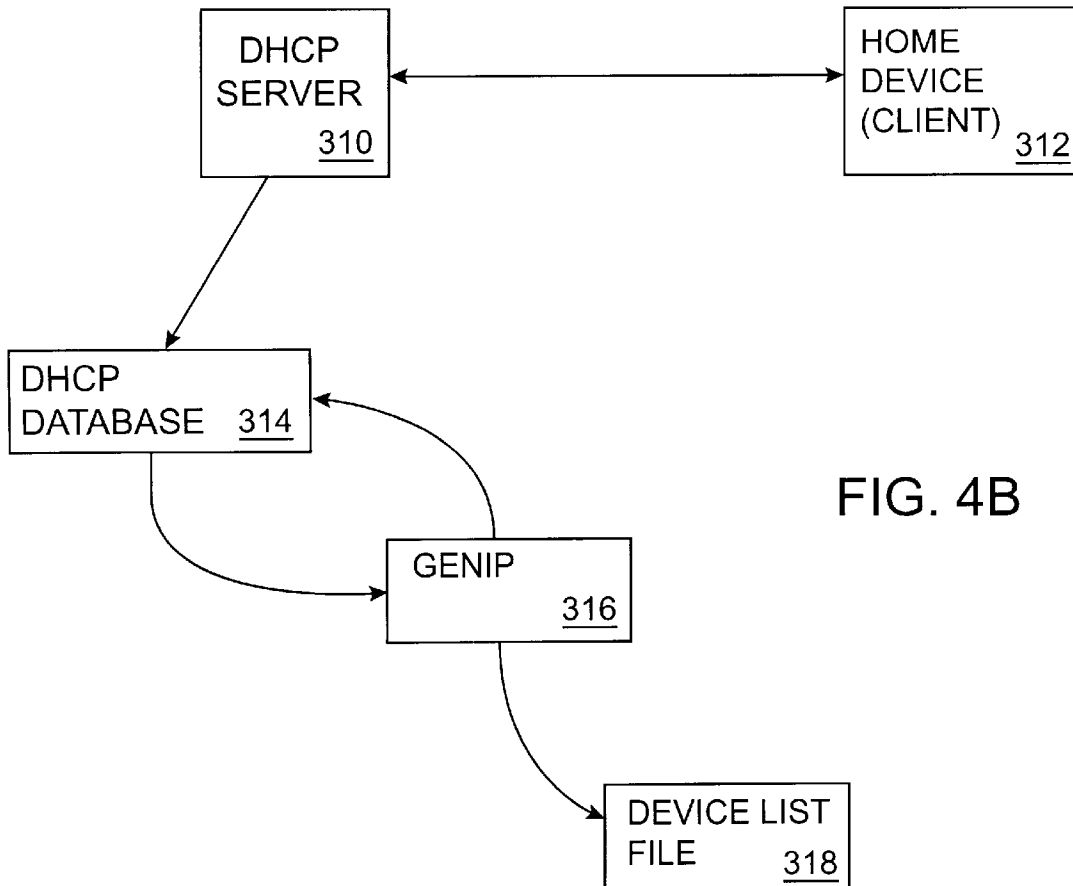


FIG. 4B

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