



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

(10) **Patent No.:** **US 6,182,094 B1**
(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
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(KR)

“Browser-style Interfaces to a home Automation Network,”
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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**

(74) *Attorney, Agent, or Firm*—Sherman & Sherman;
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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 con-
nected thereto is provided. According to the method, multi-
media material associated with a first home device is iden-
tified. 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

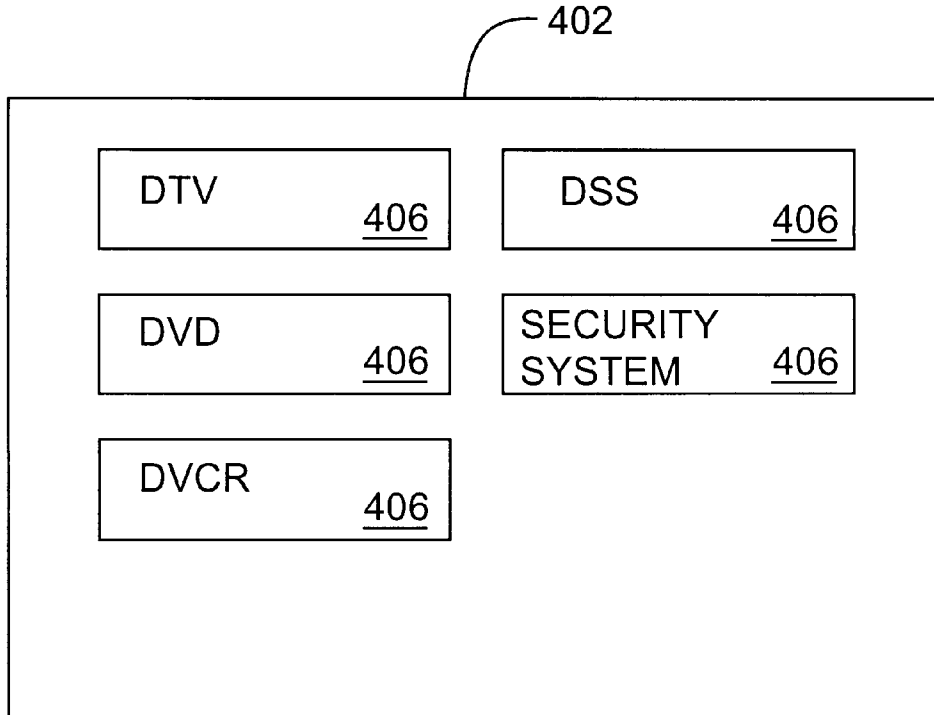
(58) **Field of Search** **707/104, 10, 501,**
707/513, 1–3; 709/217–218; 345/355–357,
352–354

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17 Claims, 16 Drawing Sheets



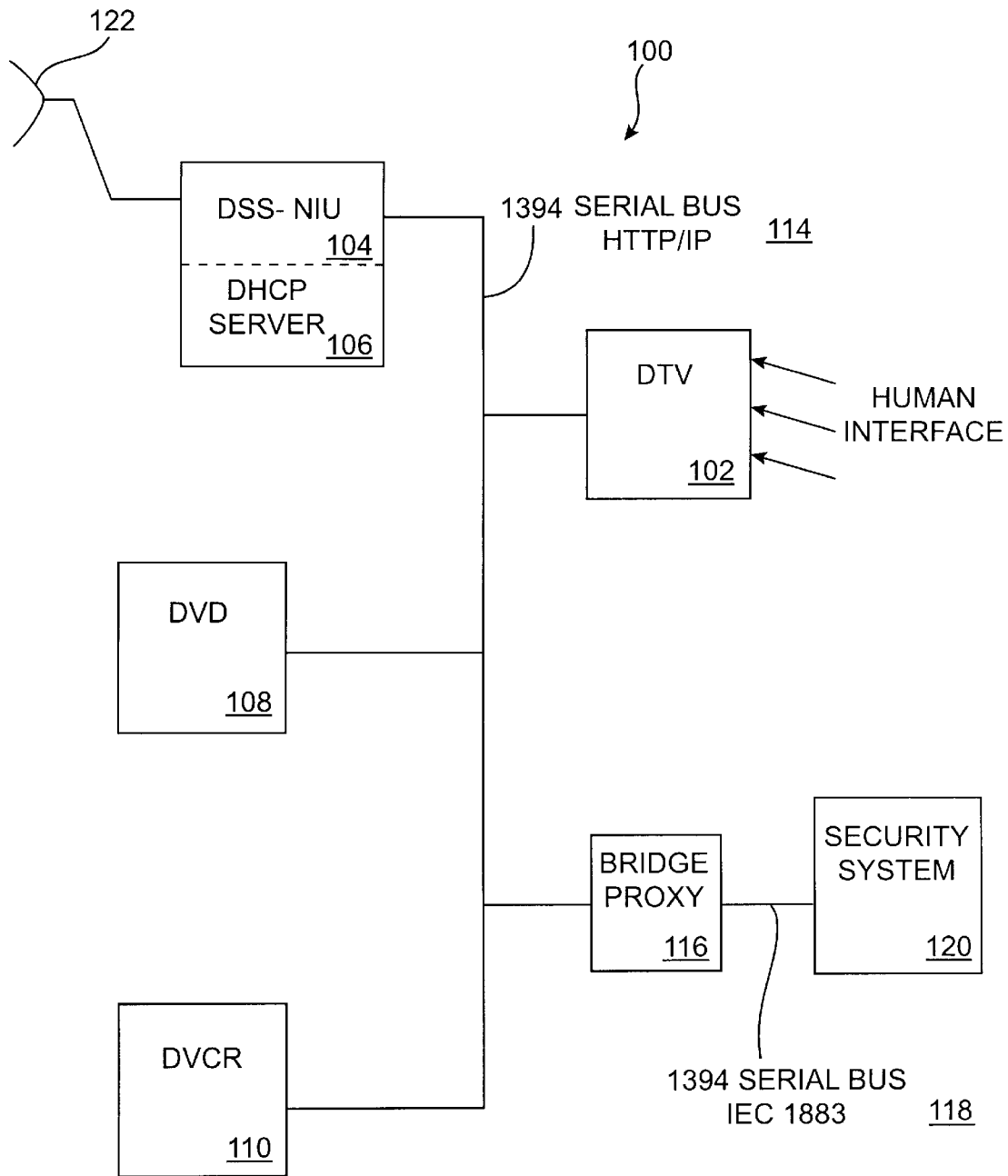


FIG. 1

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FIG. 2

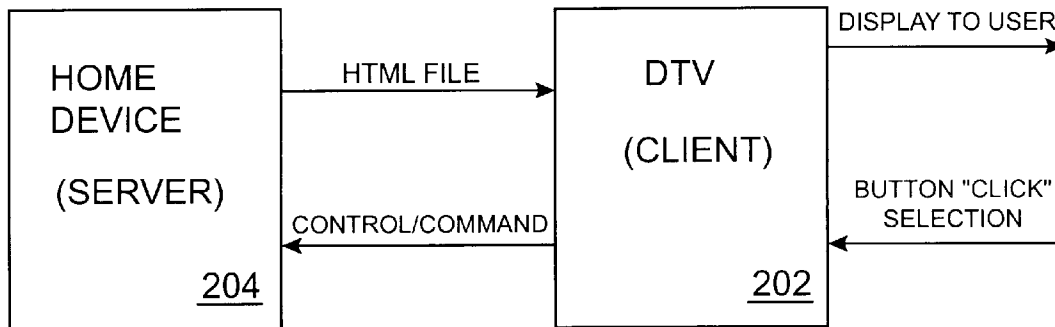


FIG. 3A

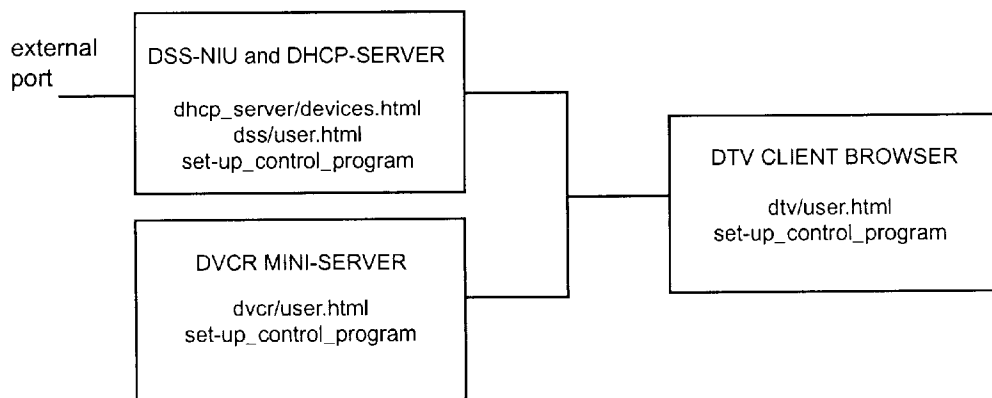


FIG. 3B

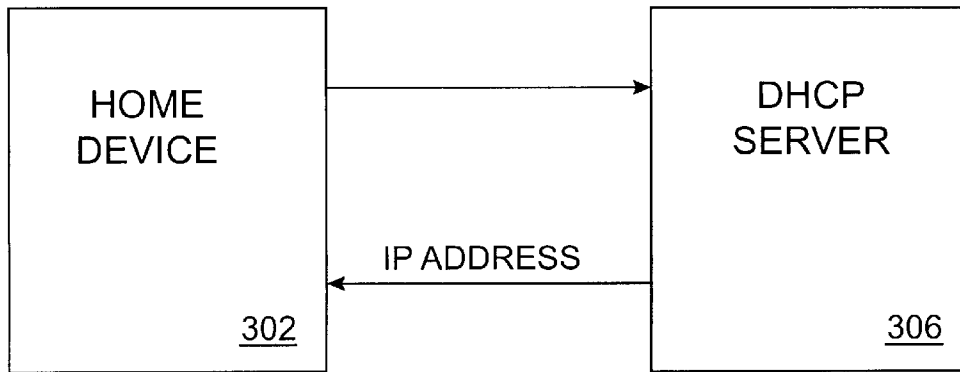


FIG. 4A

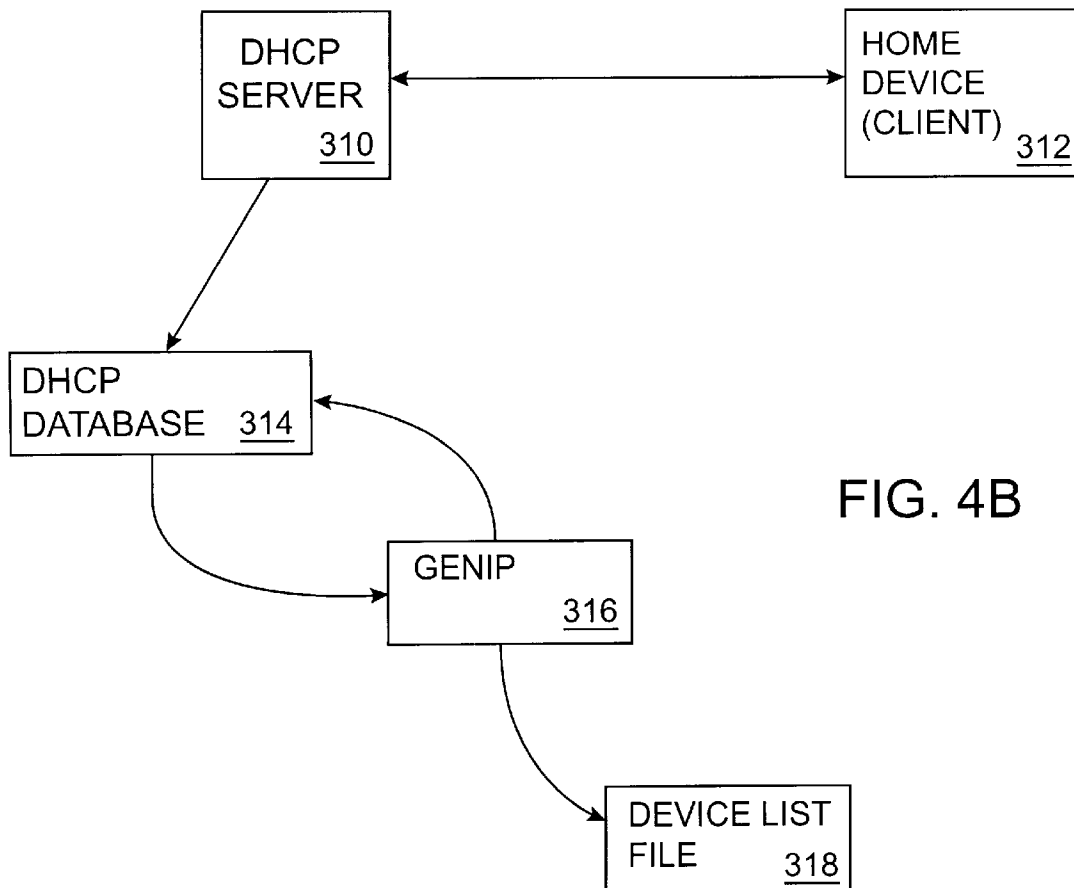


FIG. 4B

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