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United States Patent [19]

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Charles et al.

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[54] **ROOM TEMPERATURE SENSOR AND THERMOSTAT CONTROL DEVICE**

[75] Inventors: **Donald E. Charles**, Wauconda; **Christopher Wojtowicz**, Mt. Prospect; **Kenneth F. Wolfinger**, Skokie, all of Ill.

[73] Assignee: **Siemens Building Technologies, Inc.**, Buffalo Grove, Ill.

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Related U.S. Application Data

[62] Division of application No. 08/684,551, Jul. 19, 1996, Pat. No. 5,816,492.

[51] Int. Cl.⁶ **F24F 3/00**; G05D 23/00

[52] U.S. Cl. **236/46 R**; 236/51; 165/209

[58] Field of Search 236/46 R, 51, 236/47; 165/209

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Primary Examiner—William Wayner
Attorney, Agent, or Firm—Greer, Burns & Crain, LLP

[57] ABSTRACT

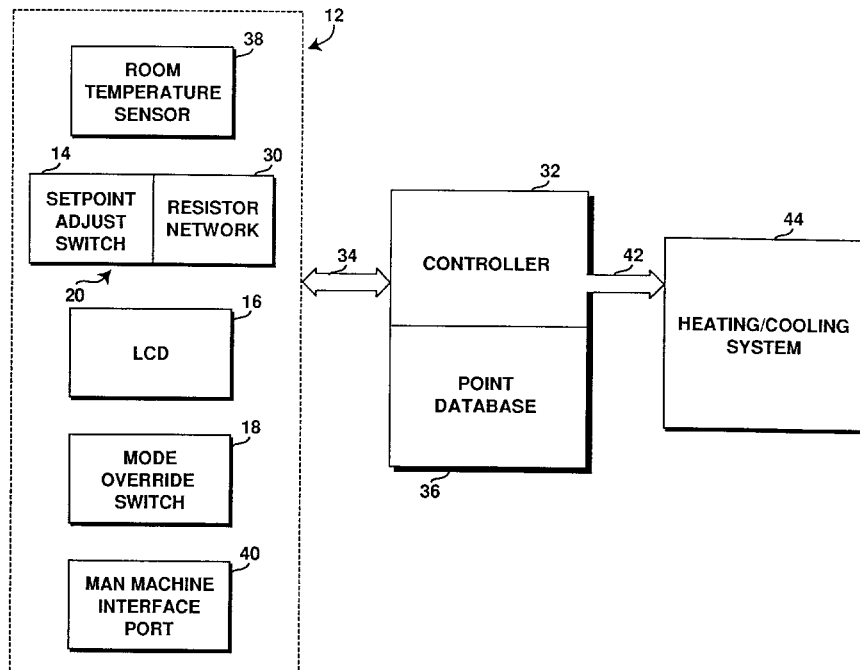
A thermostat control having improved user controls wherein an analog version contains a binary coded switch for selectively setting a setpoint temperature. The binary coded switch is configured to have discrete positions corresponding to a plurality of setpoint temperature settings. It contains, among other things, a resistor network configured to produce a setpoint signal indicative of the binary coded switch position and a setpoint adjust switch for setting the binary coded switch position. Also, digital version having a man-machine interface port, wherein point information from a controller can be viewed and modified with the thermostat control device controls when a hardware passkey is inserted into the man-machine interface port.

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4 Claims, 10 Drawing Sheets



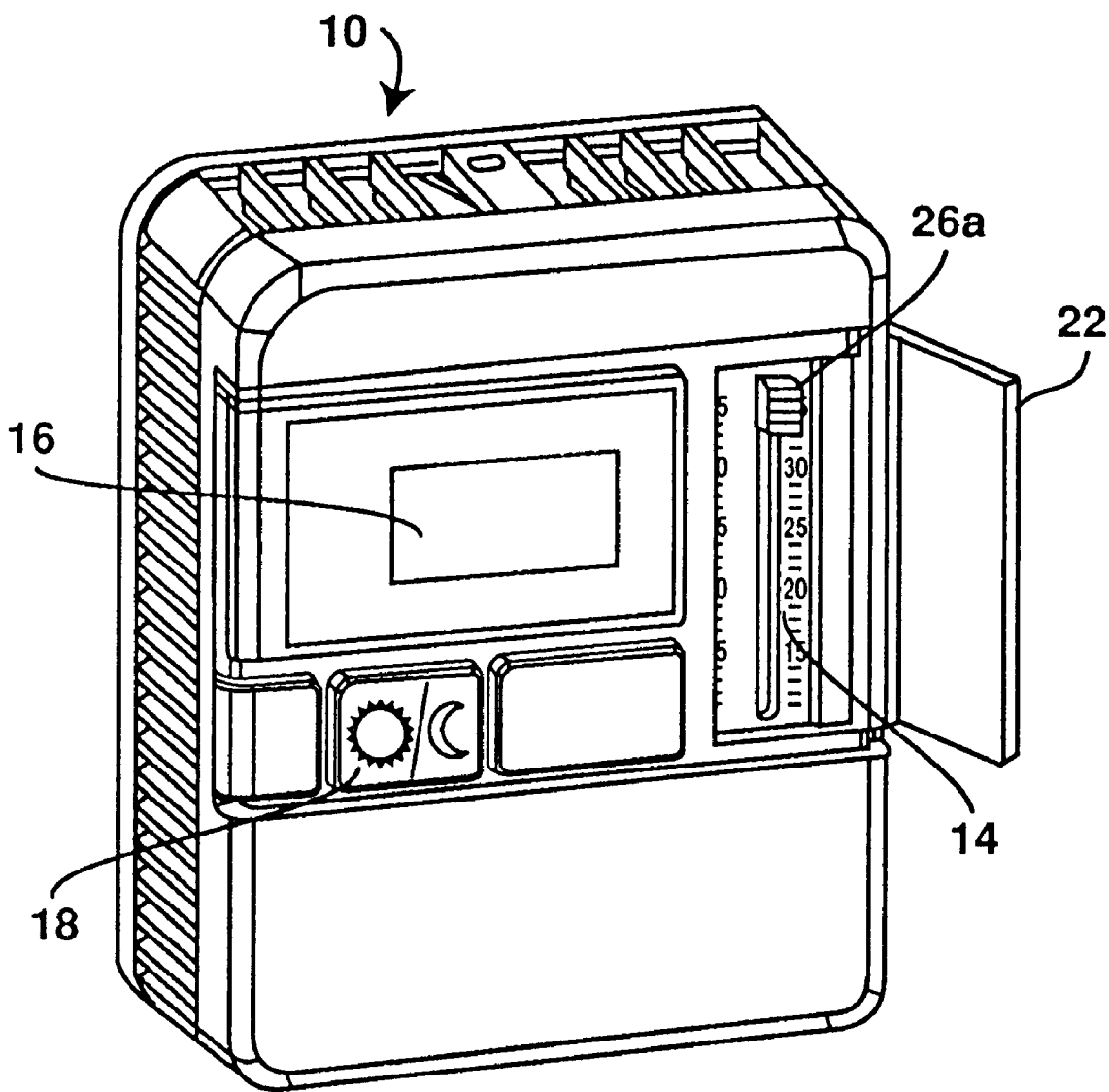


FIGURE 1

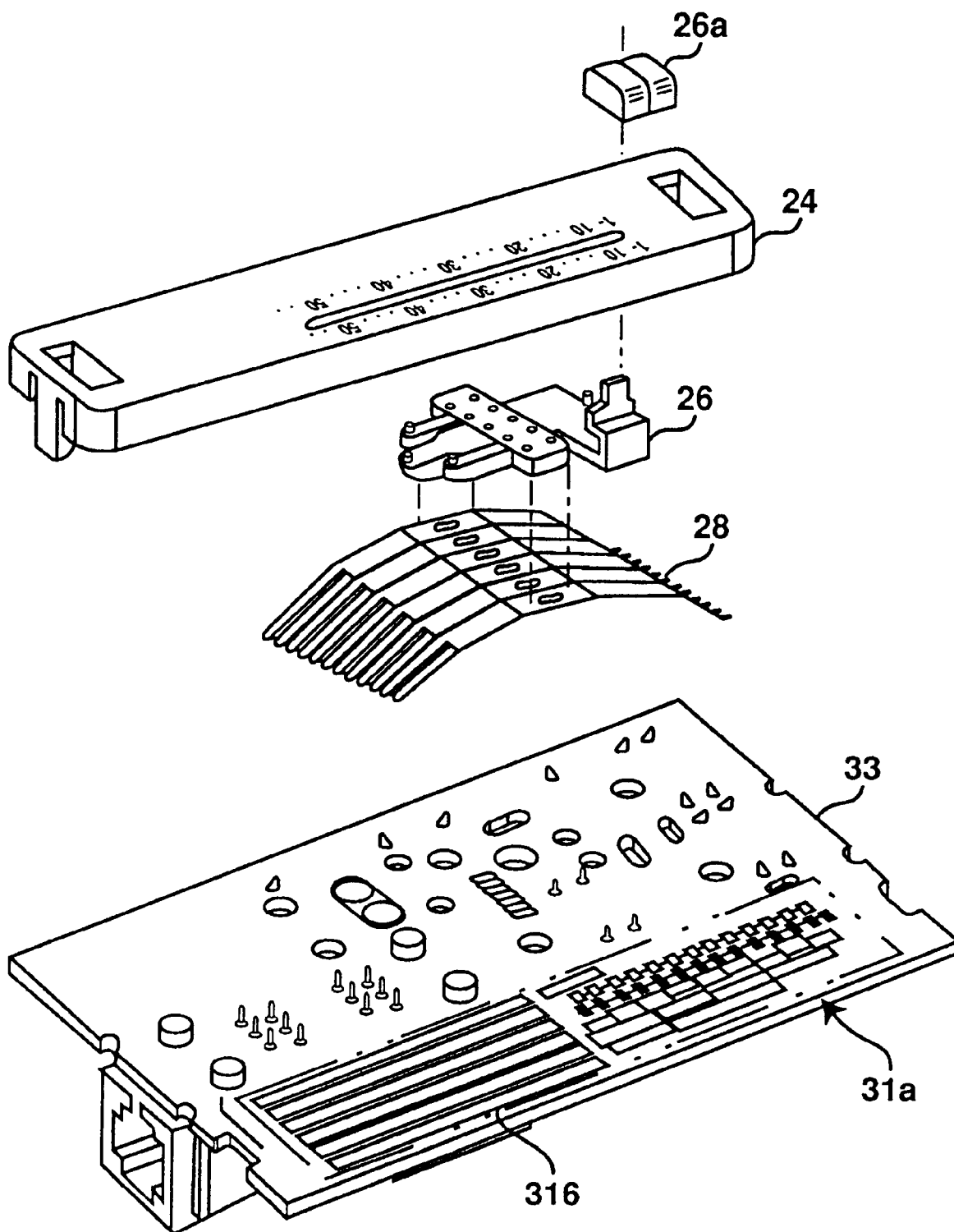


FIGURE 2

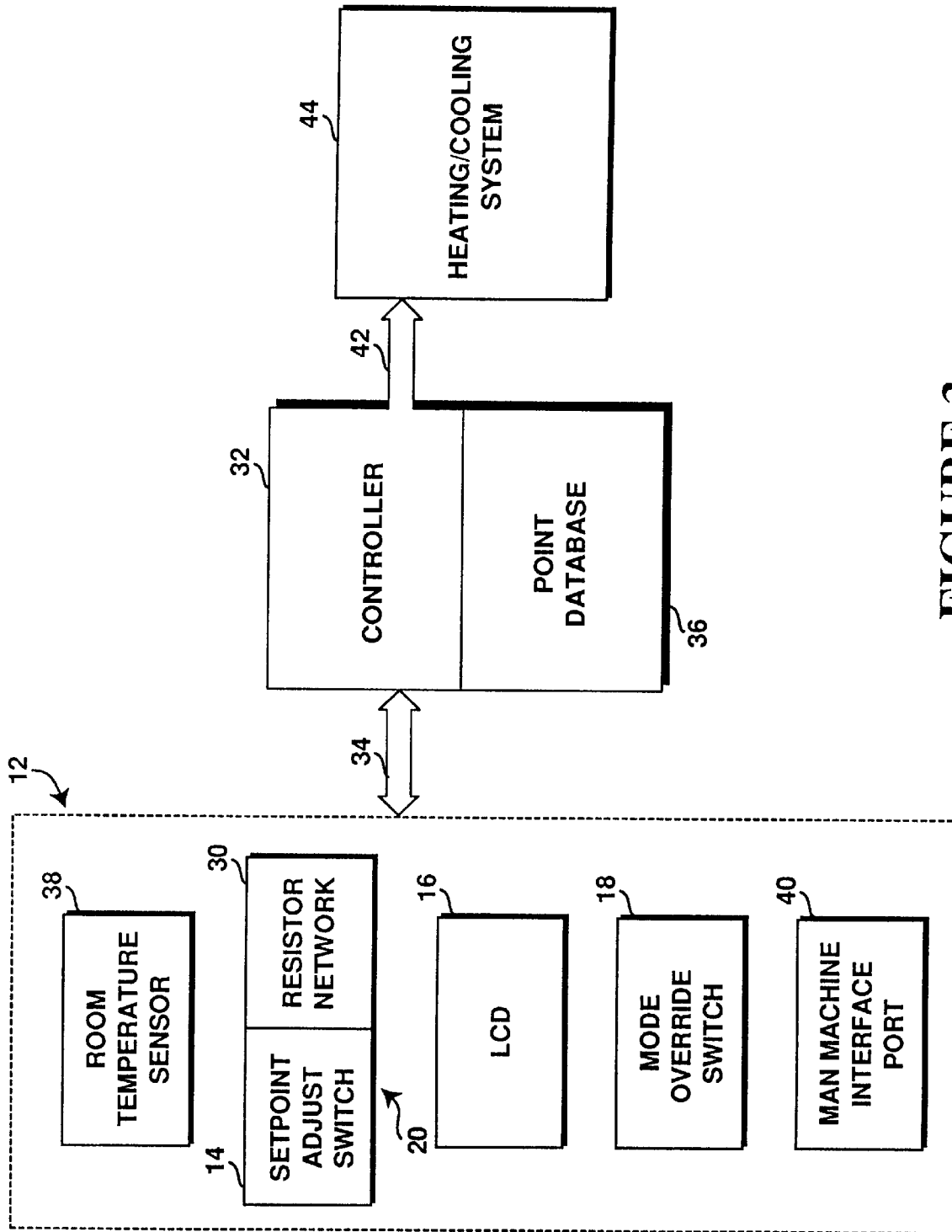


FIGURE 3

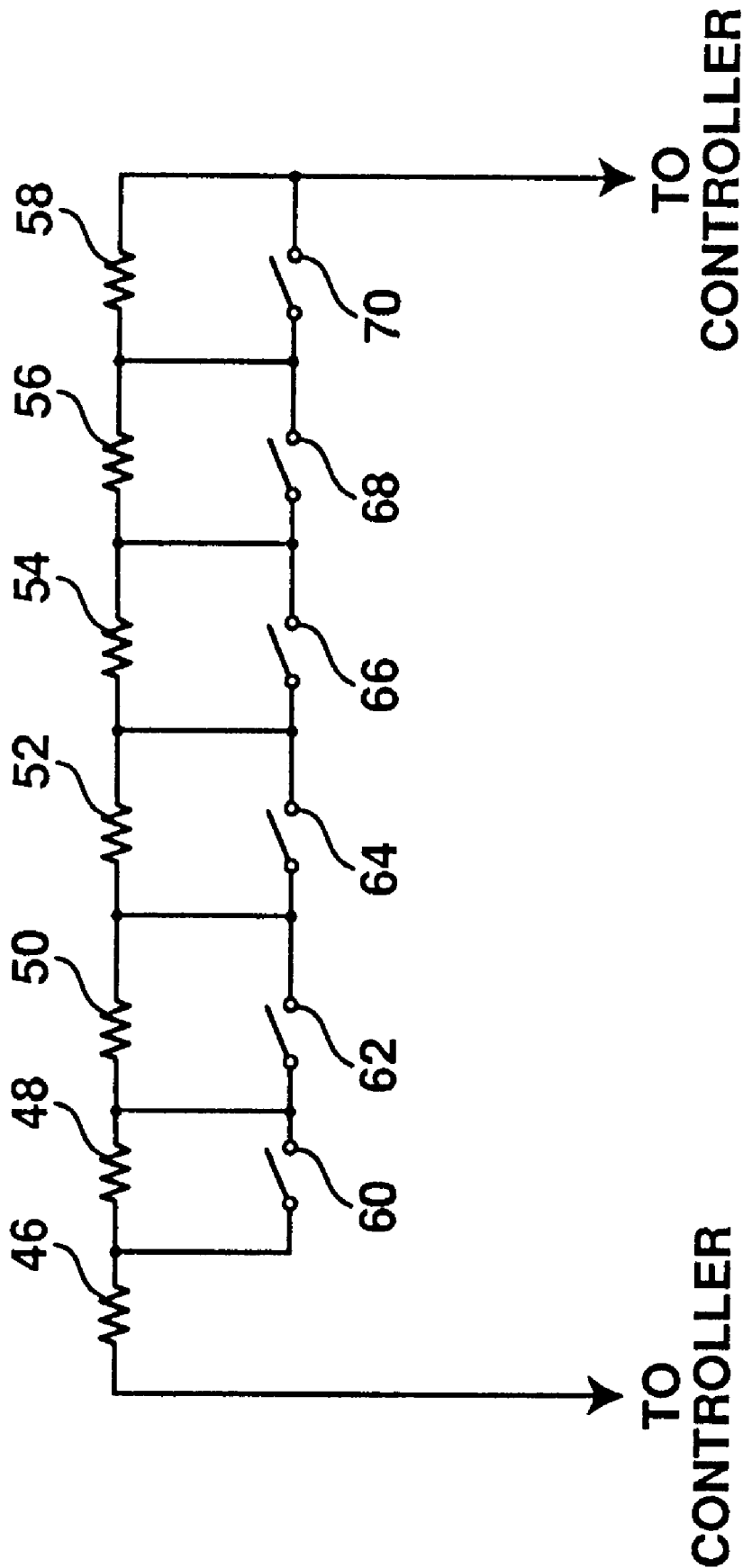


FIGURE 4

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