

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

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- (54) **INTERNET BASED HOME COMMUNICATIONS SYSTEM**
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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (51) **Int. Cl.⁷** **G05B 11/01**
- (52) **U.S. Cl.** **700/17; 700/83; 345/733**
- (58) **Field of Search** 700/9, 17, 65, 700/83, 1, 19, 90; 709/218–220; 345/329, 733

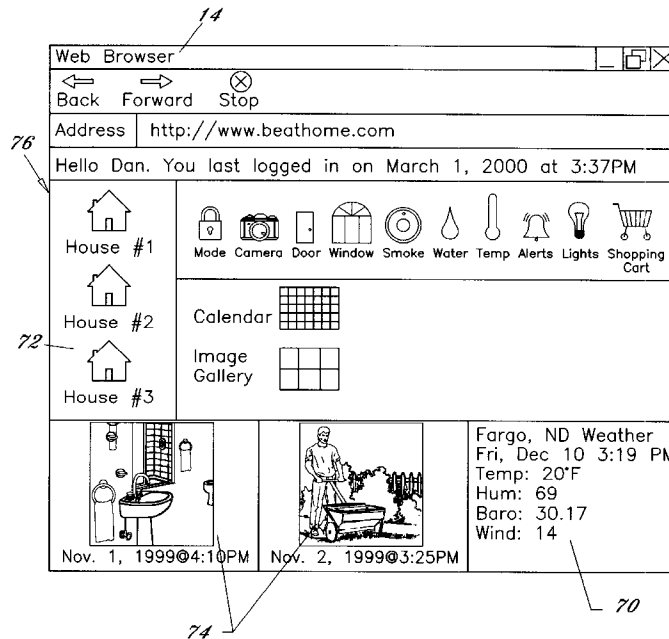
(57) **ABSTRACT**

An Internet based home communications system for allowing a homeowner to monitor and control various features of their home from a distant location via a global computer network. The inventive system comprises a plurality of control devices positioned within a home, a control unit in communication with the plurality of control devices wherein the control unit is connected to a global computer network (i.e. Internet), and a data center having server computers connected to the global computer network and in communication with the control unit. The homeowner can view, monitor and control features of their home through the web page such as viewing interior images of their home or adjusting the thermostat for the interior of their home. In addition, the control unit may notify the appropriate supplier when propane or food becomes low within the home through the global computer network.

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41 Claims, 11 Drawing Sheets



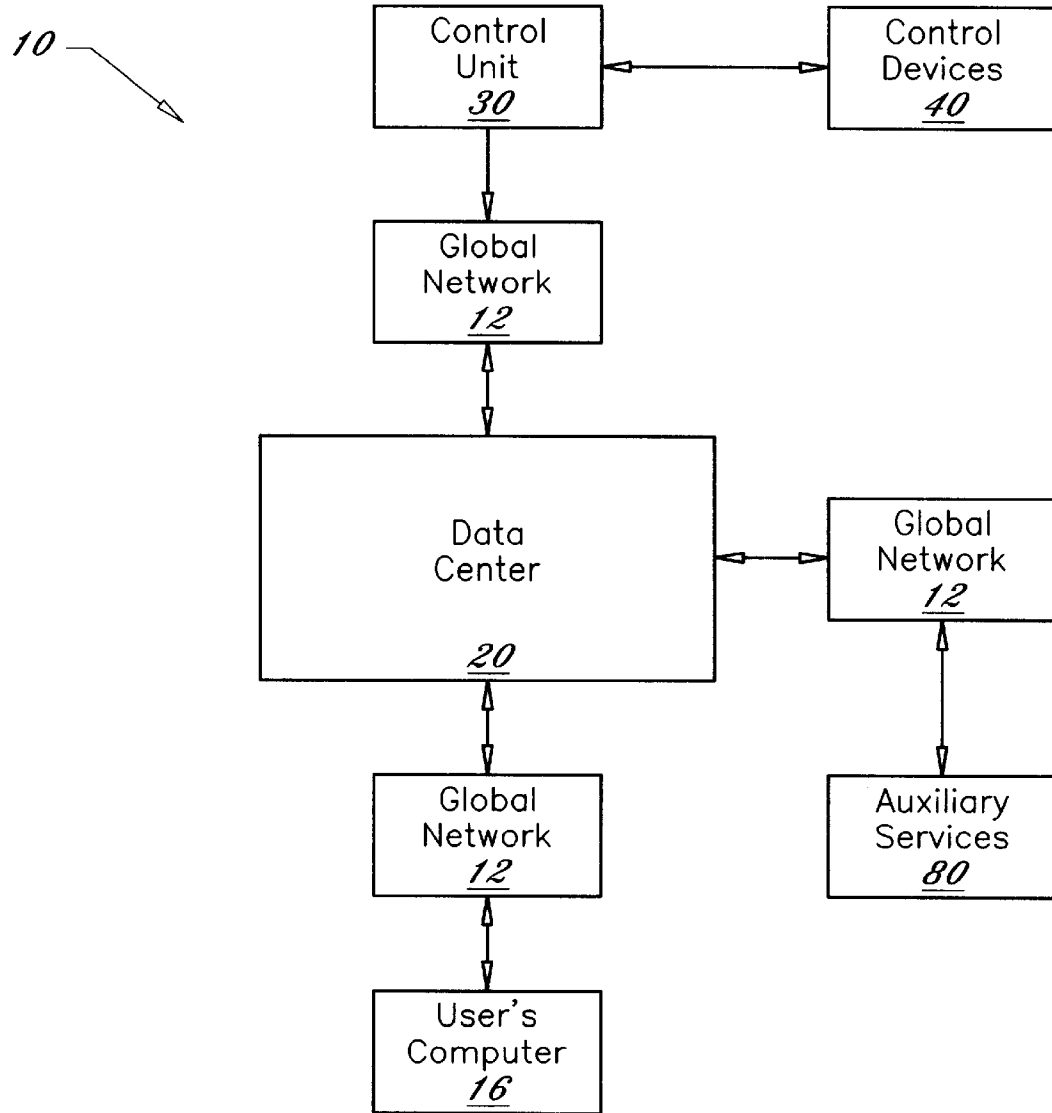


FIG. 1

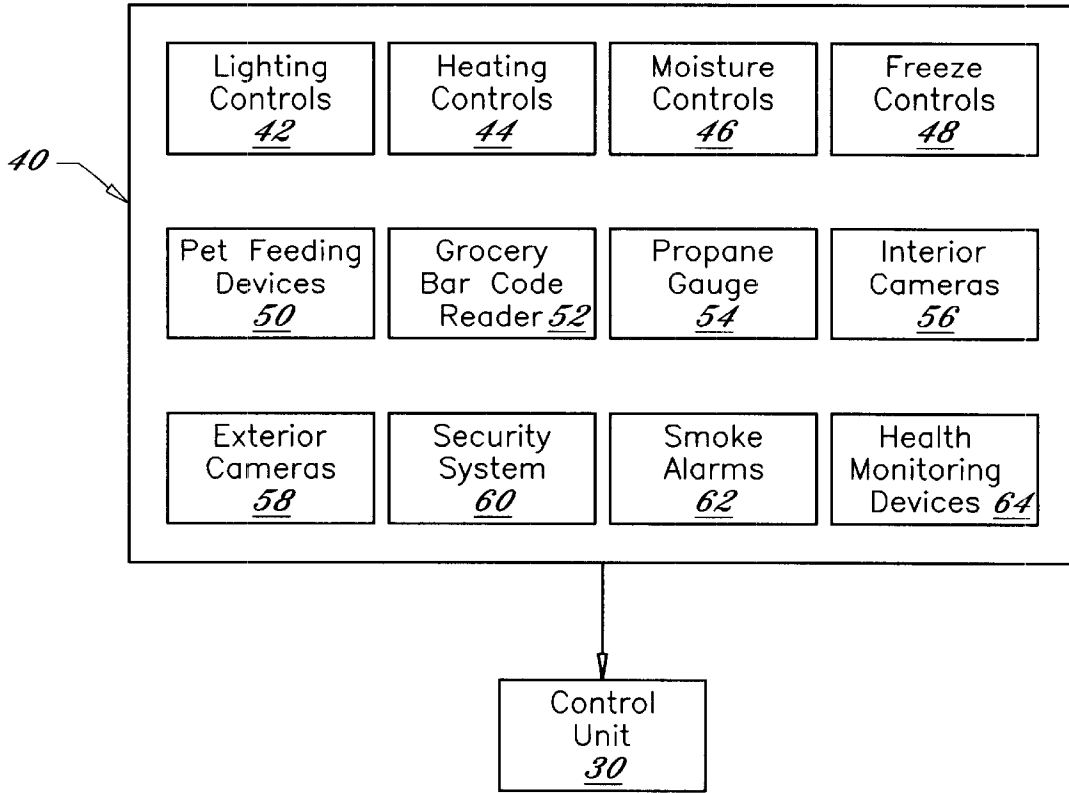


FIG. 2

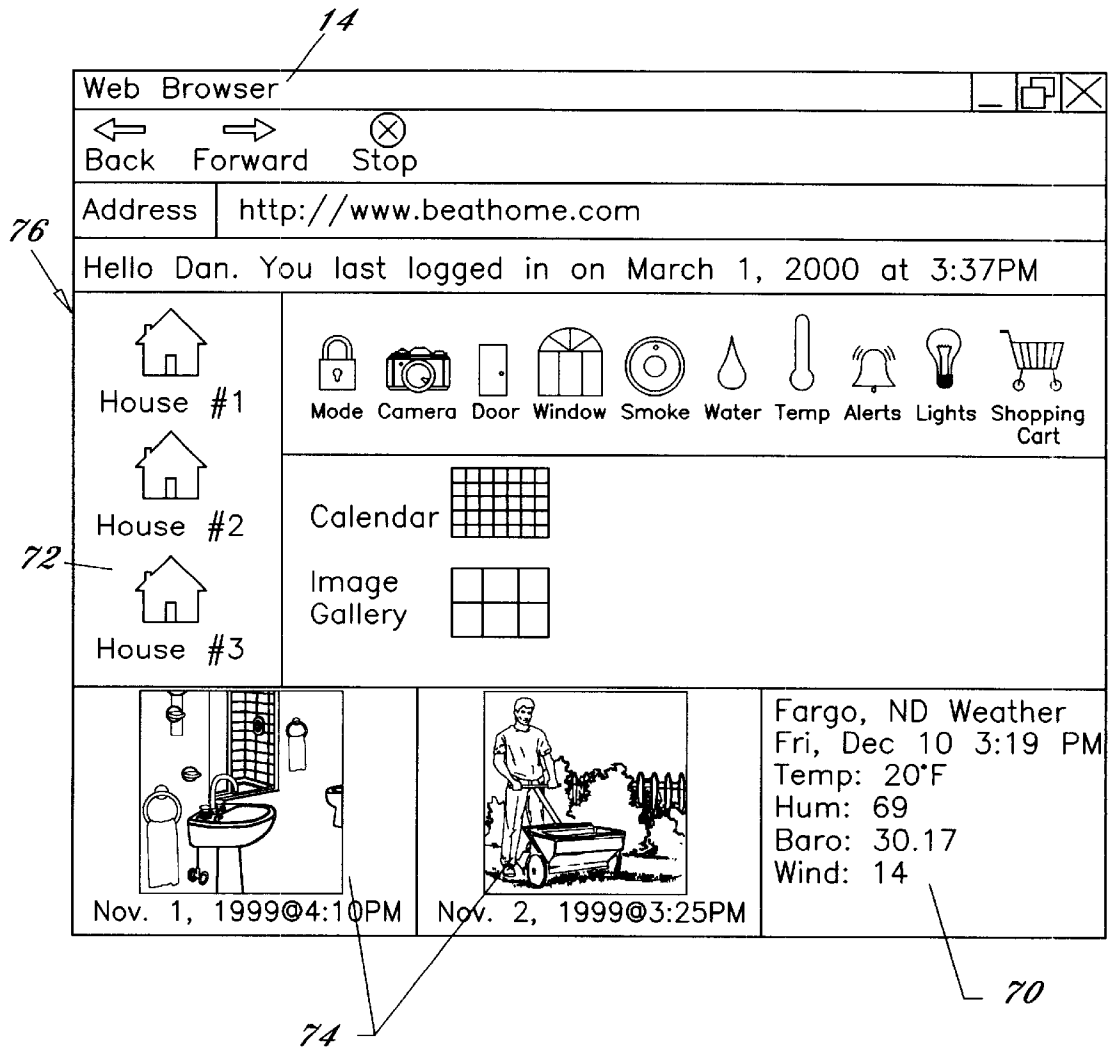


FIG. 3

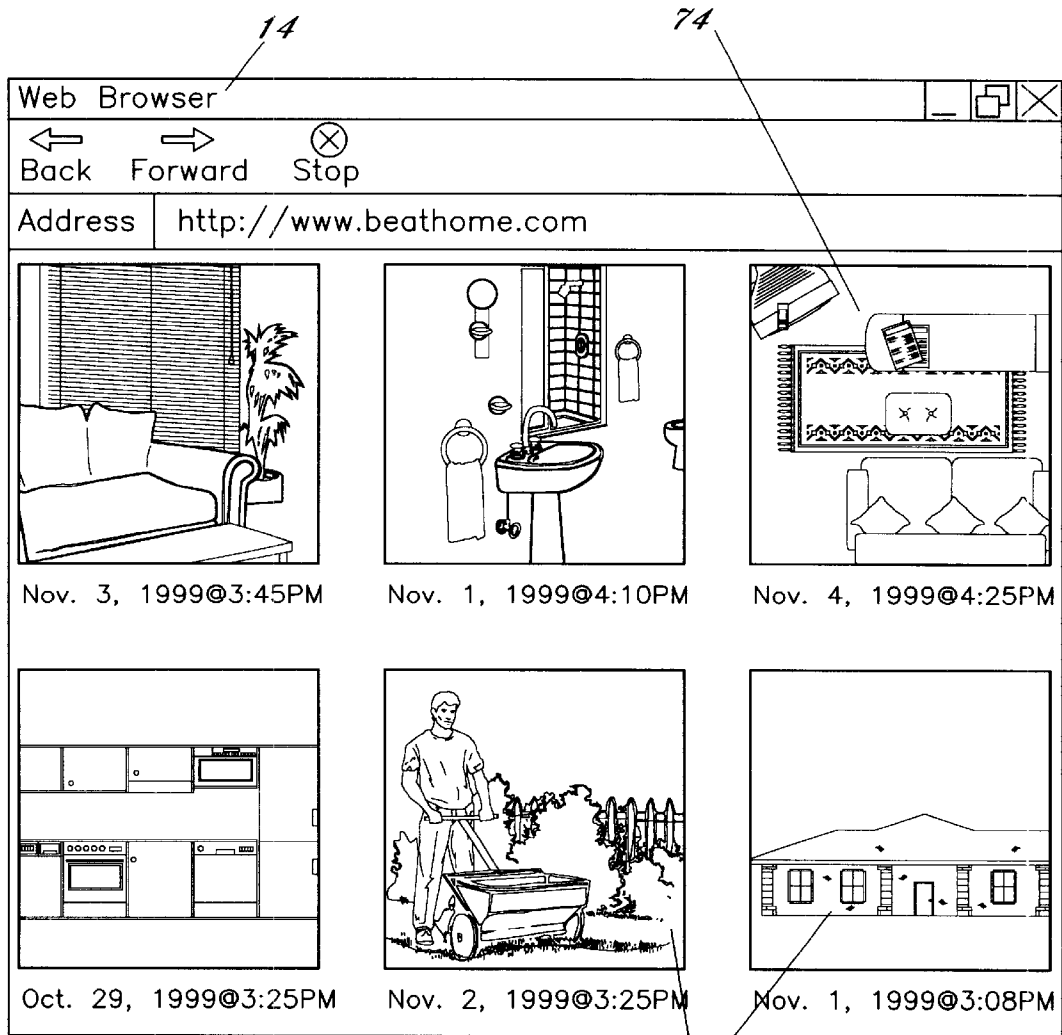


FIG. 4

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