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(12) **United States Patent**
Silva et al.(10) Patent No.: **US 6,232,883 B1**
(45) Date of Patent: **May 15, 2001**(54) **WATER ALERT SYSTEM**(75) Inventors: **Kevin DeVere Silva; Steven Dale McQueary**, both of Indianapolis, IN (US)(73) Assignee: **Uncle Albert's LLC**, Indianapolis, IN (US)

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

(21) Appl. No.: **09/533,273**(22) Filed: **Mar. 20, 2000****Related U.S. Application Data**

(63) Continuation of application No. 09/193,334, filed on Nov. 16, 1998, now abandoned.

(51) Int. Cl.⁷ **G08B 21/00**(52) U.S. Cl. **340/604; 340/605; 340/618; 340/620; 340/539; 340/825.69; 340/825.72**(58) Field of Search **340/604, 605, 340/618, 620, 539, 825.69, 825.72**(56) **References Cited****U.S. PATENT DOCUMENTS**

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Primary Examiner—Julie Lieu(74) *Attorney, Agent, or Firm*—Woodard, Emhardt, Naughton, Moriarty & McNett(57) **ABSTRACT**

A water activated power supply for signaling a control device of a detection of a body of water or other ionized liquid, and for triggering a bistate device upon the detection of a body of water or other ionized liquid. The water activated power supply comprises a power source, and a buffering circuit. The power source is operable to generate a first electrical power. The buffering circuit includes a buffer operable to provide a second electrical power. The buffering circuit further includes a water activated switch to conduct a portion of the first electrical power to the buffer when a body of water contacts the water activated switch. The buffer provides the second electrical power in response to the portion of the first electrical power. The buffer further isolates the power source from any external load device, e.g. a control device or a bistate device, electrically coupled to the buffering circuit to receive the second electrical power to prevent any increase in the magnitude of the first electrical power. Receipt of the second electrical power by an external load device indicates the detection of the body of water by the buffering circuit.

8 Claims, 8 Drawing Sheets