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ABSTRACT

WIRELESS CONTROL OF UTILITY ELEMENTS USING RADIO BROADCAST CHANNELS AND METHOD THEREOF

[0050] A wireless control system 10 to control utility elements at remote locations using radio broadcast channels is described. The system 10 has a supervisory console 12 and an encoder 14. The console 12 comprises a user input interface 16, a system controller 18 and a storage medium 20. The console 12 allows an authorized user, via the interface 16, to configure, control and operate utility elements that are disposed at remote locations. The controller 18 has a security management module 38, a scheduler module 40, a logical grouping module 42, a transmission network management module 44, and a log manager 46. A utility control signal is modulated onto a sub-carrier for transmission together with a carrier of a radio broadcast channel. The utility control signal is received by a remote receiver and processed to control the utility elements.

[0051] FIG. 1 accompanies this abstract.