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(54) **SCHEDULING AND MODELING THE OPERATION OF CONTROLLABLE AND NON-CONTROLLABLE ELECTRONIC DEVICES**

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See application file for complete search history.

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(57) **ABSTRACT**

Disclosed herein are representative embodiments of methods, apparatus, and systems for controlling and scheduling power distribution in a power network, such as household power network. One disclosed embodiment is a system comprising a central controller and a control device coupled to a household appliance. The central controller can comprise computing hardware coupled to a wireless transceiver. The central controller can be configured to generate and transmit control signals for controlling the operational state of the household appliance according to the schedule. Furthermore, the control device can be configured to receive the transmitted control signals from the central controller and to control the operational state of the household appliance in response to the control signals.

60 Claims, 16 Drawing Sheets

