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(54) Title of the Invention: **System and method for simultaneous wireless control of multiple peripheral devices**
Abstract Title: **System and method for simultaneous wireless control of multiple peripheral devices**

(57) A system for controlling a plurality of peripheral devices includes a portable electronic device and a plurality of peripheral devices in wireless communication with the portable electronic device. The portable electronic device includes a processor configured to connect to each of the plurality of peripheral devices one at a time based on round-robin scheduling. The processor is configured to execute an instruction for searching for a broadcast signal transmitted from a selected one of the plurality of peripheral devices. The processor is configured to execute an instruction to wirelessly connect with the selected one of the plurality of peripheral devices. The processor is configured to execute an instruction to send a control signal to the selected one of the plurality of peripheral devices. The processor is configured to execute an instruction to terminate the connection between the portable electronic device and the selected one of the plurality of peripheral devices.

