METHOD AND APPARATUS FOR POWER MANAGEMENT IN AN ELECTRONIC DEVICE

ABSTRACT

An electronic device and method for power management in an electronic device is provided. In an embodiment, the electronic device includes the functionality of a personal digital assistant, wireless email paging and a camera with a flash that is operated via self-contained power supply in the form of a battery. The device also includes a supervisor circuit which causes the device to enter sleep mode, or disables the device, or certain features of the device, if the battery level falls below a certain threshold. A method in accordance with an embodiment performs, in response to a request to fire the flash, a pre-flash test which is selected so as to not trip the supervisor circuit. The battery level is examined as a consequence of performing the pre-flash test and, if the battery level as so examined meets certain criteria, then the full flash is either permitted to proceed. If the battery level does not meet the criteria, the full flash is not permitted to proceed.

Figure 3