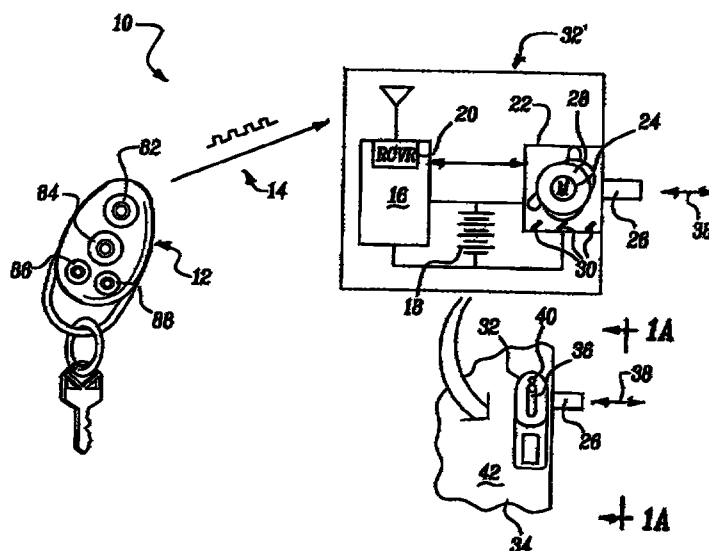




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(54) Title: REMOTELY CONTROLLED DOOR LOCK SYSTEM AND METHOD



(57) Abstract

A remote door lock system (10) including a radio frequency transmitter (12) for transmitting a coded sequence (14), a battery-powered controller (16) including a radio frequency receiver (20) receptive to the coded sequence, and a lock mechanism (22) including actuator (24) and a bolt (26) coupled to the actuator. The controller decodes the coded sequence during an awake mode and develops an actuator signal if the coded sequence is proper. The controller has a sleep mode that alternates with the wake mode to reduce the overall power consumption. The actuator of the lock (10) mechanism is responsive to the actuator signal, and is operative to assert a force on the bolt to lock or unlock the door (34). The controller preferably includes a low power LED driver circuit (112) including a pulse generator powering a flyback converter to control the output of the LED.