

RADIO FREQUENCY IDENTIFICATION AND COMMUNICATION DEVICE

5 Abstract

A low-power, passive radio frequency identification and communication device communicable with a device reader is disclosed, comprising an RF front end for receiving from and transmitting to the device reader RF signals and extracting power and data from an RF signal generated by the device reader, a controller for receiving from and transmitting to the RF front end data, and a memory for receiving from and transmitting to the controller data. The memory is readable and writable by the controller and operable using first and second voltage supplies during read and write operations, respectively, the first and second voltage supplies being of different
15 voltage supply levels.

Figure 1

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