

ABSTRACT

IC CARD, PORTABLE ELECTRONIC DEVICE, AND READER/WRITER

An IC card of an embodiment performs contactless communication with an external device having a first battery and a first carrier wave output device to output carrier wave using electric power of the first battery. The IC card is provided with a second battery, a second carrier wave output device, a battery remaining capacity reading processor and a comparing processor. The second carrier wave output device outputs carrier wave using electric power of the second battery, to supply electric power to the external device. The battery remaining capacity reading processor acquires information indicating a remaining capacity of the first battery. The comparing processor compares the remaining capacity of the first battery with of a remaining capacity of the second battery.

Fig. 2

