

ABSTRACT

PORTABLE ELECTRONIC APPARATUS, IC CARD AND READER/WRITER

A portable electronic apparatus is disclosed which comprises a detecting element for detecting a high-frequency signal received by an antenna and for outputting the detected signal; a sampling element for sampling the detected signal with regard to a frequency higher than a clock frequency of the detected signal and for outputting sampled results; and a decoding element for decoding data transmitted by the high-frequency signal by use of a signal level distribution of the detected signal derived from the sampled results.

FIGURE 6