

COMBINATION - TYPE IC CARD
ABSTRACT OF THE DISCLOSURE

A combination-type IC card is provided with both of (i) a contact-type interface for reading and writing data via contact-type communication terminals provided in a card, and (ii) a non-contact-type communication interface, which includes a non-contact-type communication parallel resonance circuit, for reading and writing data received, via an antenna coil, data transmitted via radio waves. Further, the combination-type IC card is provided with a contact/non-contact judging circuit for judging whether communication is contact-type communication or non-contact communication, by judging from a difference between (i) a frequency of a clock for contact communication, which is inputted via a clock terminal, which is one of the contact-type communication terminals, and (ii) a frequency of a clock for non-contact communication, which is received via the antenna coil. With this arrangement, it is possible to provide such combination-type IC card capable of accurately and stably judging whether the communication is the contact type or the non-contact type.



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Figure 1



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