ABSTRACT

COMMUNICATION SYSTEM

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A communication system between a host station and a plurality of substations which allows to reduce a probability of a failure of connection to zero by a finite number of times of re-transmission. The host station 1 transmits/receives data between the plurality of substations (non-contact tags) 2 and records information of the substations 2. The substation 2 selects a certain time slot provided in the host station based on digit information of the ID code of the substation 2 every time it receives a pilot command from the host station 1 and transmits a response signal with a timing corresponding to the selection. That is, because the ID code is information unique to the substation, the probability of a conflict of signals may be reduced to zero by a finite number of times of re-transmission by transmitting with the timing corresponding to this information.

Figure 1