

ABSTRACT

NON-CONTACT METAL CARD EMBEDDED WITH ANTENNA

Provided is a non-contact metal card including a first body sheet and a second body sheet that are configured with flat metal sheets and are stacked one above the other, an antenna inlay with an antenna mounted thereon that is arranged between the first and second body sheets, holes that are formed in respective bodies of the first and second body sheets, and slots, each of which is formed by cutting off a portion between one side of each hole and one side of each body, wherein the holes are located in an inner region of the antenna, and wherein the holes of the first body sheet and the holes of the second body sheet are located to have a gap with a predetermined distance. In the non-contact metal card having the above-described structure, the bodies configured with flat metal plates are provided with holes having a structure where a portion of one side is opened by a slot, so that it is possible to prevent an eddy current from being generated in the first and second body sheets which are flat metal plates, and thus, the non-contact metal card can transmit and receive data in a wireless manner by using an embedded antenna.

(FIG. 1)