

CONTACTLESS CARD WITH MULTIPLE ROTATING SECURITY KEYS

ABSTRACT

A contactless card can include a plurality of keys for a specific operation, e.g., encryption or signing a communication. The contactless card can also include an applet which uses a key selection module. The key selection module can select one of the plurality of keys and the applet can use the key to, e.g., encrypt or sign a communication using an encryption or signature algorithm. The contactless card can send the encrypted or signed communication to a host computer through a client device. The host computer can repeat the key selection technique of the contactless device to select the same key and thereby decrypt or verify the communication.

Fig. 1