

System and Method for Transmitting Payment Card Information, and Payment Card

Abstract

A system and a method for transmitting payment card information are provided. The system includes at least one processor, and at least one memory including computer program code. The at least one memory and the computer program code are configured to, with the at least one processor, cause the system at least to (i) receive, from a capacitive touch sensor, input signals generated in response to conductive elements of a payment card that is placed on the capacitive touch sensor, the conductive elements disposed on the payment card information present on the payment card, (ii) determine, using the input signals, an orientation of the payment card that is placed on the capacitive touch sensor, (iii) compare the determined orientation with a reference orientation associated with the payment card, (iv) generate computer-readable payment card information based on the input signals on a condition that the determined orientation corresponds to the reference orientation, and (v) transmit the computer-readable payment card information to a payment processor module.

Fig. 4