

Trusted Terminal Platform

ABSTRACT

Point-of-sale (POS) terminal for entering a PIN to enable a financial transaction, comprising: a processor for running an operating system, with applications; a touch screen for displaying information and receiving user inputs and also to receive the secure information from the user; a Security-Box being connected between the touch screen and the processor, to control the user input on the touch screen to the processor, wherein the Security-Box is being configured to run in two modes "Secure Mode" and "Clear Text Mode", wherein when running in "Secure Mode" the user input is not forwarded as touch coordinates to the processor and when running in "Clear Text Mode" the touch coordinates are transmitted to the processors; wherein the user-terminal is configured to run at least two types of applications displaying information on the touch screen and allowing an interaction with the user, the first of the applications is interacting with the Security-Box to perform security relevant financial transactions; and the other application, Add-on applications, interacting in "Clear Text Mode" with the touch screen, wherein the application interacting with the Security-Box and switching the Security-Box into "Secure Mode" needs to be authenticated with the Security Box using a cryptographic method with one or more security keys.

(Fig. 1)