

PIN VERIFICATION

ABSTRACT

The invention provides a computer-implemented authentication method comprising the step of enabling a user to input an identifier (e.g. a PIN) into an electronic device having a screen and a keypad operable within a keypad zone of the screen; by operating at least one key of the keypad via an image of at least part of a scrambled keypad which is displayed at least partially within the keypad zone. The user's operation of the keypad key via the image generates an encoded version of the user's intended input. In one sense the invention can be perceived as superimposing a non-functional image of a scrambled keyboard over an underlying, functional keypad. The image may be any type of electronic image, and may include a video image. The invention is particularly suited for use with, but not limited to, mobile phones, tablet computer, PCs etc. It can be implemented in any system wherein a user's identity must be verified before access is granted to a controlled resource.

FIG. 9