

CLAIMS:

1. A verification method arranged to verify the identity of a user, and comprising the step
5 of:
generating an operable, scrambled keypad and providing said keypad within a display
zone of a screen associated with an electronic device;
presenting an image of a non-scrambled keypad within at least part of the display zone
such that it masks the operable keypad from the user's view at least in part and the user
10 is able to operate at least one key of the operable, scrambled keypad via the image of
the non-scrambled keypad;
wherein a mapping is generated between keys depicted in the image of the non-
scrambled keypad and the keys of the operable keypad, and the mapping enables an
encoded version of an input from the user to be inputted into the electronic device.
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2. A verification method according to claim 1 wherein the operable, scrambled keypad is
generated at run-time by invoking a portion of code.
3. A verification method according to claim 1 or 2 wherein the operable, scrambled
20 keypad is generated by a subroutine which is part of a library provided as standard to
the device.
4. A verification method according to any preceding claim wherein the image depicts a
keypad which is a default keypad on the device.
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5. A verification method according to any preceding claim wherein:
the image is generated on the device.
6. A verification method according to any of claims 1 to 4 wherein:
30 the image is received by the device from a remote computing resource.

7. A verification method according to any preceding claim wherein the operable, scrambled keypad is generated using a keypad configuration derived using a random, or pseudo-random, number, or biometric data relating to the user.
- 5 8. A verification method according to any preceding claim wherein a plurality of operable keypads is generated, and wherein at least one keypad in the plurality is a scrambled keypad.
9. A verification method according to any preceding claim wherein a plurality of keypad
10 images is generated, and wherein at least one image in the plurality is an image of a non-scrambled keypad.
10. A verification method according to claim 9 and comprising the step of transmitting the encoded version of the input to a remote computing resource.
- 15 11. A verification method according to any preceding claim and comprising the step of: communicating the mapping to a remote device or server.
12. A verification method according to any preceding claim wherein the electronic device
20 is a mobile phone, a tablet computer, a payment terminal, a portable computing device or a personal computer.
13. A verification method according to any preceding claim wherein the method is arranged to verify the identity of the user prior to granting access to a controlled
25 resource.
14. A verification system arranged to verify the identity of a user and comprising:
an electronic device;
a screen associated with the electronic device;
30 wherein the electronic device is arranged to:
generate an operable, scrambled keypad and provide said keypad within a display zone of the screen; and

present an image of a non-scrambled keypad within at least part of the display zone such that it masks the operable keypad from the user's view at least in part and the user is able to operate at least one operable key of the operable, scrambled keypad via the image of the non-scrambled keypad;

- 5 wherein a mapping is generated between keys depicted in the image of the non-scrambled keypad and the keys of the operable keypad, and the mapping enables an encoded version of an input from the user to be inputted into the electronic device.

- 10 15. A verification system according to claim 14 wherein the system is arranged and configured to implement the method of claims 1 to 13.