

Claims

1. A device for monitoring physiological information of and identifying a person comprising:
 - a physiological monitor;
 - a biometric identity reader; wherein
 - the biometric identity reader and the physiological monitor are configured such that the biometric identity reader reads biometric information of the person and the physiological monitor reads physiological information of the person at the same time, and from the same part of the person;
 - wherein the device is configured to require identification of the person again when the physiological monitor is detected to have been moved away from the person.
2. A device for monitoring physiological information of and identifying a person as claimed in claim 1, wherein moving away from the person is determined when the physiological information has ceased to be detectable for a period of time.
3. A device for monitoring physiological information of and identifying a person as claimed in claim 1, wherein
 - the physiological monitor is adjacent the biometric identity reader;
 - such that the physical distance between physiological monitor and the biometric identity reader prevents the physiological monitor and the biometric identity reader from being applied separately to more than one person at the same time.
4. A device for monitoring physiological information of and identifying a person as claimed in claim 1, claim 2 or claim 3, wherein
 - the physiological monitor monitors the heart beat pattern of the person.
5. A device for monitoring physiological information of and identifying a person as claimed in any one of claim 1 to claim 4, wherein
 - the device is in communication with a second physiological monitor;
 - the biometric identity reader and the physiological monitor of the device, and the second physiological monitor are configured such that the biometric identity reader reads biometric information of the person, the physiological monitor reads physiological information of the person and the second physiological monitor reads physiological information of the person at the same time; and

the integrated device having a dimension which prevents the physiological monitor, the biometric identity reader and the second physiological monitor from being applied onto different persons.

6. A device for monitoring physiological information of and identifying a person as claimed in claim 5, wherein
the device is in wireless communication with the second physiological monitor.
7. A device for monitoring physiological information of and identifying a person as claimed in claim 5 or claim 6, wherein
the device is a smart phone.
8. A device for monitoring physiological information of and identifying a person as claimed in claim 5, wherein
the device is physically integral with the second physiological monitor.
9. A device for monitoring physiological information of and identifying a person as claimed in any one of the preceding claims, wherein
the biometric identity reader is a fingerprint reader.
10. A device for monitoring physiological information of and identifying a person as claimed in any one of claims 1 to 8, wherein
the biometric identity reader is a biometric heartbeat pattern reader.

11. A device for monitoring physiological information of and identifying a person as claimed in any one of claims 1 to 8, wherein
the biometric identity reader and the a physiological monitor are both provided in a camera.
12. A device for monitoring physiological information of and identifying a person as claimed in any one of claims 1 to 8, wherein
the biometric identity reader is an accelerometer.
13. A physiological monitor, which is capable of
 - a) obtaining a first set of physiological data read from a person;
 - b) supplying the first set of physiological data to be matched to a second set of physiological data read from the same person;the first set of physiological data and the second set of physiological data being read from the same person at the same time; and
the physiological monitor is configured to repeat steps a) and b) when the physiological monitor is detected to have been moved away from the person.
14. A physiological monitor as claimed in claim 13, the physiological monitor is detected to have been moved away from the person when the first set of physiological data has ceased to be read for a period of time.
15. A physiological monitor as claimed in claim 13 or claim 14, wherein
the first set of physiological data is read from the person in real time.
16. A physiological monitor as claimed in claim 12, claim 14 or claim 15, wherein
the physiological monitor is a light based blood flow monitor installed in an ear phone.
17. A physiological monitor as claimed in any one of claim 13 to claim 16, wherein
the physiological monitor is capable of encrypting physiological data in real time using biometric data of the person.
18. A method of authenticating physiological information of a person comprising the steps of:
 - providing a first physiological monitor;
 - providing a biometric identity reader;
 - the biometric identity reader reading biometric information of the person and the first physiological monitor reading physiological information of the person at the same time, and from the same body part of the person;

authenticating the biometric information of the person in order to accept the physiological information as belonging to the person; and
repeating the step of authenticating the biometric information of the person in order to accept the physiological information as belonging to the person when the first physiological monitor is detected to have been moved away from the body part.

19. A method of authenticating physiological information of person as claimed in claim 18, wherein the first physiological monitor is detected to have been moved away from the body part when the physiological information has ceased to be detectable for a period of time.
20. A method of authenticating physiological information of person as claimed in claim 18 or claim 19, wherein
the biometric identity reader and the first physiological monitor are physically constrained preventing from being applied separately to more than one person at the same time.
21. A method of authenticating physiological information of person as claimed in any one of claim 18 to claim 20, comprising the further steps of:

providing a second physiological monitor;
the second physiological monitor reading physiological information of the person;

if the physiological information read by the first physiological monitor correlates to the physiological information read by the second physiological monitor, accepting yet further physiological information read by the second physiological monitor as belonging to the person.

22. A method of authenticating physiological information of person as claimed in any one of claim 21, comprising the further steps of:

encrypting the further physiological information read by the second physiological monitor using the biometric information of the person.