

Claims

[Claim 1] A wearable 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

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; such that

the biometric identity reader is capable of discontinuing the reading of the biometric identity of the person while the physiological monitor continues reading physiological information of the person; and

if the physiological monitor is detected to have been moved away from the person, the device is capable of requiring the biometric identity reader to read the biometric information of the person and the physiological monitor to read the physiological information of the person at the same time again to re-authenticate the physiological information as being of the person.

[Claim 2] A device for monitoring physiological information of and identifying a person as claimed in claim 1, wherein

the physiological monitor monitors the heart beat pattern of the person.

[Claim 3] A device for monitoring physiological information of and identifying a person as claimed in claim 1, wherein

the biometric identity reader is a fingerprint reader.

[Claim 4] A device for monitoring physiological information of and identifying a person as claimed in claim 1, wherein

the biometric identity reader is a biometric heartbeat pattern reader.

[Claim 5] A method of authenticating and continual physiological monitoring of a person comprising the steps of:

a) providing a device having first physiological monitor and a biometric identity reader;

b) the biometric identity reader reading biometric information of the person and the physiological monitor reading physiological information of the person at the same time,

c) authenticating the biometric information of the person in order to accept the physiological information as belonging to the person;

d) discontinuing the reading of biometric information of the person by the biometric identity reader while continuing the reading of physiological information of the person by the a physiological monitor; and

e) repeating the steps b) to d) when the first physiological monitor is detected deemed to have been moved away from the body part.

[Claim 6] A method of authenticating physiological information of person as claimed in claim 5, 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.