Claims

1. Method for measuring and displaying data related to the physical activity of a person, comprising:

- measuring data representative of the physical activity of the person by means of a mechanical sensor (21) in a wristwatch (2) worn by the person;
- displaying these measured data on the dial (22) of the wristwatch (2) by means of an analog indicator (20);
- capturing the image of said dial by means of a camera (10) in a portable electronic equipment (1);
- analyzing said image to determine the position of said analog indicator (20), with said position constituting one or more analyzed data;
- processing, in the portable electronic equipment, said analyzed data, so as to determine data representative of the physical activity processed;
- displaying the processed representative physical activity data on a screen (11) of the electronic equipment (33).

2. Method according to claim 1, further comprising:

a step of storing person-specific parameters in a memory space;

with said data processing using said person-specific parameters for determining said representative physical activity data processed in a personalized manner for the person.

3. Method according to one of the claims 1 or 2, further comprising:

storing calibration parameters specific to the wristwatch in a memory space;

with said data processing using said calibration parameters specific to the wristwatch to determine said representative physical activity data calibrated for the wristwatch.

4. Method according to one of the claims 1 to 3, said mechanical sensor (21) being a motion sensor.

5. Method according to claim 4, said motion sensor (21) being a pedometer, with said data depending on the number of steps performed by the person.

6. Method according to one of the claims 4 to 5, said motion sensor including an accelerometer.

7. Method according to one of the claims 4 to 6, comprising a step of integrating the movements undergone by the motion sensor since a time of reset, and displaying by means of said analog indicator a value corresponding to this integration.

8. Method according to one of the claims 2 to 7, said processed data using the parameters specific to the person indicating a distance traveled and/or a number of calories spent.

9. Method according to one of the claims 1 to 8, comprising a step of automatically and periodically zeroing the data displayed on the dial.

10. Method according to one of the claims 1 to 9, comprising a step of manually zeroing the data displayed on the dial (22).

11. Method according to one of the claims 1 to 10, wherein the displayed data are incremented with each movement of the wearer or with each movement of the wearer in a given direction or orientation, and only decremented by a voluntary action of the user or automatically at periodic intervals.

12. System for measuring and displaying data related to the physical activity of a person, comprising:

- a wristwatch (2) equipped with a mechanical sensor (21) for capturing data related to the physical activity of the person when wearing the wristwatch, and an analog indicator (21) for displaying these data on a dial of the wristwatch;
- portable electronic equipment with a camera (10);
- a module (31) for analysing the images captured by said camera (10), for determining one or more analyzed data corresponding to the data displayed on the dial when the image includes a picture of the dial;

- a processing module (32) for processing said data determined by the image analysis module and for generating the processd data;
- a module (33) for displaying the processed data on a screen.

13. System according to claim 12, said mechanical sensor (21) being a motion sensor.

14. System according to claim 13, said motion sensor (21) being a pedometer, with said data depending on the number of steps taken by the person.

15. System according to claim 13, said motion sensor being an accelerometer.

16. System according to one of the claims 12 to 15, comprising a member for automatically and periodically zeroing the data displayed on the dial (22).

17. System according to one of the claims 12 to 16, comprising a member for manually zeroing the data displayed on the dial (22).

18. System according to one of the claims 12 to 17, comprising:
a memory space for storing person-specific parameters;
with said data processing module being designed for using said person-specific parameters for determining said representative physical activity data processed in a personalized manner for the person.

19. System according to one of the claims 12 to 18, further comprising:
a memory space for storing calibration parameters specific to the wristwatch;
with said data processing module using said calibration parameters specific to the wristwatch to determine said representative physical activity data calibrated for the wristwatch.