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(58) Field of Search by ISA:
INT CL **A61B, A63B**
Other: **Epodoc, Candaian patents database, Google (accelerometer, gyroscope, scceleration sensor, target, feedback, user interface, hip, waist, belt,**

(54) Title of the Invention: **Virtual exerciser device**
Abstract Title: **Virtual exerciser device**

(57) Disclosed herein is a device which detects repetitive movement of a user's body part. The device has a sensor which detects G forces along at least two axes when the user repeatedly moves the body part; a memory, which stores reference data corresponding to ideal reference data; a processor/computing unit, which communicates with the sensor and the memory, and receives data associated with the G forces. The processing/computing unit compares the ideal reference data with the data associated with the detected G forces. A feedback component is connected to the processor/computing unit to provide the user with a signal when a target has been achieved. Also disclosed is a method of computing data received by the device and an exerciser device that simulates the movement of a hula hoop.

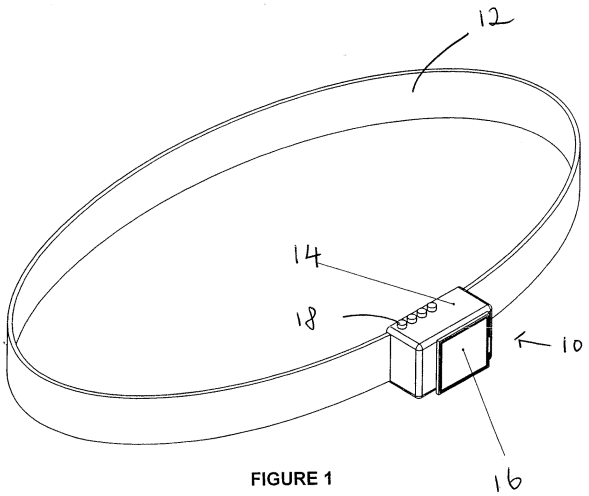

FIGURE 1

GB 2492017 A