

Visual and body posture control accessory

Description

Visual and body posture control accessory. There are electronic devices on the market of endless forms and applications that provide, basically, information from a sender / receiver. These devices typically need to be paired to another compatible computer. Within these devices, to avoid health problems due to poor posture, a simple system would be desirable that allows to control ergonomic posture, both visual and body, and that does not need to be linked to other devices. The present invention relates to a simple accessory without connections to other devices that allows to control the visual and body posture that includes accelerometers for the calculation of the position of the body and vibration sensors as a warning system.

How does it work?

The accessory is characterized in the present invention by a posture control bracelet and commercial sample (1) with 3 programmable accelerometers (2) that allow to measure in three different axes its real position incorporated into a box (4) of variable shapes, where they are hermetically closed together with the vibration sensors (3), arranged in several positions of the box and near the skin of the wearer to perceive the movement they produce. The box (4) is covered with a flexible material, according to the taste of the consumer and the chosen color that takes the form of a strip (5) to join as a strap with holes (6) on one side and buckle (7) on the other side.

It includes a differentiated input or connection (8) for recharging the battery (9) and transmitting information if necessary from a processor. In the method of realization of the Posture Control Bracelet and commercial sample (1) is in an elastic plastic material that constitutes the strip (5) of tie with the strap with holes (6) and the buckle (7) to the wrist of the person who uses it and that incorporates a box (3) made of a plastic material that protects the sensors and stores the space of the battery (9) of a size of 40 x 17 mm. The buckle (7) is made of the same rigid plastic material as the 21x 15 x 2 mm strip (5) to which the 4x2x1 mm hole strap (6) is tied. The size of the strip is 230 mm long and 17 mm wide and 2 mm thick and the connection (8) 9 mm long and 3 mm wide.

The dimensions of the posture control bracelet and commercial sample (1) are variable according to the wearer's wrist and the logo to be added.

Advantages

Detect and help to take a good posture in the workplace or in any desktop activity.

Where has it been developed?

In the Faculty of Optics and Optometry of the Complutense University of Madrid.

And moreover

Researcher in charge

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