

Abstract

A WEARABLE DEVICE TO MONITOR AN ECG SIGNAL

In one aspect, a wearable device for measuring heart rate comprising a t-shirt, a fabric inner shirt, a belt strap, an ECG module, an ECG base, an electronic module, a pair of nickel-plated rivets, a pair of nickel-plated washers, a pair of electrodes and a pair of pogo pins. In an embodiment, the ECG module is capable of measuring the heart rate of user. The ECG module further comprise an ECG base and an electronic module. The signal from a pair of electrodes is transmitted to the electronic module through the ECG base. The pair of electrodes are placed at the rear side of belt strap, which are in direct contact with the skin of the user at the abdomen area near the heart. In another embodiment, the fabric inner shirt which is sewed to the inner wall of the t-shirt which holds the belt strap, and has a vertical flexibility and user suitably can adjust and place the belt strap at the abdomen area.

[FIG. 6]