CLAIMS

What is claimed is:

1. A wearable device, comprising: a body and a detection electrode, wherein the body comprises an electrocardiosignal collection circuit, and an inner electrode and an outer electrode that are electrically connected to the electrocardiosignal collection circuit, the inner electrode is configured to collect an electric potential signal of a first wearing position, the outer electrode is configured to collect an electric potential signal of a non-wearing position, the detection electrode can move relative to the body, the detection electrode is configured to electrically connect to the electrocardiosignal collection circuit and collect an electric potential signal of a second wearing position, and the non-wearing position and the second wearing position are different from the first wearing position.

2. The wearable device according to claim 1, wherein the body comprises a watch plate and a watch band connected to the watch plate, the watch plate comprises a housing and a circuit board located inside the housing, and the circuit board is configured to bear the electrocardiosignal collection circuit.

3. The wearable device according to claim 2, wherein the housing comprises a bottom wall and a side wall disposed around a periphery of the bottom wall, the bottom wall is configured to be in contact with the first wearing position, the inner electrode is fastened to the bottom wall, and the outer electrode is fastened to an end portion that is of the side wall and that is far away from the bottom wall.

4. The wearable device according to claim 3, wherein the bottom wall is disposed with a first through hole, the watch plate further comprises a fixed circuit board electrically connected to the circuit board, the fixed circuit board is disposed with a second through hole and a pad located on a periphery of the second through hole, the inner electrode comprises an electrode sheet and a connection base connected to the electrode sheet, the watch plate further comprises a screw, the connection base extends into the first through hole, and the screw is connected to the connection base after passing through the second through hole, so that the connection base is in contact with the pad.

5. The wearable device according to claim 4, wherein the pad comprises a first subpad and a second subpad that are disposed opposite to each other, the first subpad is disposed on

a side that is of the fixed circuit board and that faces the connection base, the first subpad is in contact with the connection base, the second subpad is disposed on a side that is of the fixed circuit board and that is far away from the connection base, the second subpad is in contact with the screw, and the screw is made of a conductive material, and is configured to enable the connection base to be electrically connected to the second subpad by using the screw.

6. The wearable device according to claim 4 or 5, wherein the watch plate further comprises a waveform spring, the screw passes through the waveform spring, and the waveform spring is firmly pressed between the pad and the connection base.

7. The wearable device according to any one of claims 4 to 6, wherein the watch plate further comprises a sealing ring, and the sealing ring is firmly pressed between an outer wall of the connection base and a hole wall of the first through hole.

8. The wearable device according to any one of claims 3 to 7, wherein the bottom wall comprises a central region and a peripheral region disposed around a periphery of the central region, the central region protrudes relative to the peripheral region, and the inner electrode is disposed in the central region.

9. The wearable device according to any one of claims 3 to 8, wherein the outer electrode comprises a touch portion and a fixing portion connected to the touch portion, the end portion is disposed with a groove, and the fixing portion is engaged into the groove, so that the outer electrode is fastened to the housing.

10. The wearable device according to claim 9, wherein the watch plate further comprises a first electrode spring and a flexible circuit board that are located inside the housing, one end of the first electrode spring extends into the groove to be connected to the fixing portion, the other end of the first electrode spring is connected to one end of the flexible circuit board, and the other end of the flexible circuit board is electrically connected to the electrocardiosignal collection circuit.

11. The wearable device according to claim 3, wherein the watch plate further comprises a second electrode spring and a connection circuit board, the second electrode spring is located inside the housing, the connection circuit board is located inside the housing and is electrically connected to the circuit board, the inner electrode is located on an outer side of the bottom wall, the bottom wall is disposed with a third through hole, and the second electrode spring passes through the third through hole and is firmly pressed

between the inner electrode and the connection circuit board.

12. The wearable device according to claim 11, wherein the outer electrode comprises a touch portion and a fixing portion connected to the touch portion, and the fixing portion extends into the housing to be connected to the end; and

the watch plate further comprises a third electrode spring, and the third electrode spring is fastened to the connection circuit board and is elastically connected to the fixing portion.

13. The wearable device according to any one of claims 8 to 12, wherein the central region is disposed with a detection window, the watch plate further comprises a photoplethysmogram disposed inside the housing, and the photoplethysmogram is configured to detect a heart rate of a user by using the detection window.

14. The wearable device according to claim 2, wherein the watch band comprises an inner side and an outer side that are disposed opposite to each other, the inner side is configured to be in contact with the first wearing position, the inner electrode is disposed on the inner side, the outer electrode is disposed on the outer side, the watch band is disposed with a second flexible circuit board, and the inner electrode and the outer electrode are electrically connected to the circuit board by using the second flexible circuit board.

15. The wearable device according to claim 14, wherein the second flexible circuit board is disposed inside the watch band, and the outer electrode and the inner electrode are respectively fastened on two opposite sides of the second flexible circuit board.

16. The wearable device according to any one of claims 1 to 15, wherein the wearable device further comprises a fixing band, a connector, and a cable connected between the fixing band and the connector, the detection electrode is disposed on the fixing band, the fixing band is configured to fasten the detection electrode to the second wearing position, and the connector is detachably connected to the body.

17. The wearable device according to claim 16, wherein the wearable device further comprises a temperature detection electrode fastened to the fixing band, and the temperature detection electrode is electrically connected to the connector by using the cable.

18. The wearable device according to claim 16 or 17, wherein the connector is a plug, the body is disposed with a socket electrically connected to the electrocardiosignal

collection circuit, and the plug is detachably connected to the socket.

19. The wearable device according to claim 18, wherein the socket is disposed with a jack, a hole wall of the jack is disposed with a spring, and the spring is configured to clamp the plug inserted into the jack.

20. The wearable device according to claim 16 or 17, wherein the connector is a magnetic head, and the magnetic head is detachably adsorbed on the outer electrode.

21. The wearable device according to any one of claims 16 to 18, wherein the wearable device further comprises the fixing band, the detection electrode is disposed on an inner side of the fixing band, and the detection electrode is fastened to the second wearing position by using the fixing band.

22. The wearable device according to claim 19, wherein the wearable device further comprises the temperature detection electrode fastened to the fixing band, and the temperature detection electrode is electrically connected to the plug by using the cable.