

ABSTRACT

BLOOD PRESSURE MEASURING DEVICE AND BLOOD PRESSURE MEASURING METHOD THEREOF

A blood pressure measuring device is disclosed. The blood pressure measuring device includes an air pump, an air release valve with constant speed, and a control circuit. The air pump is connected to a blood pressure cuff. The air release valve with constant speed is connected to the blood pressure cuff. The control circuit is connected to the air pump. When the control circuit determines that the pressure relief time length of the blood pressure cuff should be adjusted according to the initial pressurization time length, the control circuit is configured to control the air pump to inflate the blood pressure cuff, while the air release valve with constant speed deflating the blood pressure cuff, so as to adjust the pressure relief time length of the blood pressure cuff. The initial pressurization time length is the time length during which the air pump inflates the blood pressure cuff to a preset pressure value at an initial pressurization rate.

FIG. 1