TITLE OF INVENTION: DEVICE AND METHOD FOR ACQUIRING AND PROCESSING ELECTROENCEPHALOGRAPHY SIGNAL

ABSTRACT

Provided are a device and method for acquiring and processing an electroencephalogram signal. The device includes: an analog front-end processing circuit including an analog front-end chip configured to take a clock signal with the first clock frequency from an external clock as a clock input, acquire an EEG signal to obtain an analog EEG signal, convert the analog EEG signal into a digital EEG signal, and transmit the digital EEG signal to the control unit; a frequency division circuit connected to the external clock and configured to perform N-fold frequency division on a clock crystal oscillator of the external clock to obtain a clock signal with a target clock frequency; and a control unit configured to take the clock signal with the target clock frequency as a clock input, and perform data processing on the digital EEG signal from the analog front-end chip.

FIG. 2