

ABSTRACT

This disclosure is a heartbeat/respiration output device M that includes a heartbeat/respiration extraction unit 1 that extracts a frequency component caused by a micro vibration of heartbeat and/or respiration from a radar signal or an ultrasound signal reflecting off a body surface of a patient P, a temporal change calculation unit 2 that calculates an amplitude temporal change or a phase temporal change of the frequency component caused by a micro vibration of heartbeat and/or respiration, a sound signal modulation unit 4 that performs amplitude modulation or frequency modulation on a sound signal having an audible band frequency based on the amplitude temporal change or the phase temporal change of the frequency component caused by a micro vibration of heartbeat and/or respiration, and a heartbeat/respiration output unit 5 that outputs the sound signal after amplitude modulation or frequency modulation.