

TITLE:
EARPHONE WITH BINAURAL BEATS FUNCTION

ABSTRACT

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An earphone with binaural beats function includes a left ear speaker configured to provide a first sound wave to a left ear of a user, a right ear speaker configured to provide a second sound wave to a right ear of the user, a wireless communicator, and a frequency adjuster signally connected to the left and right ear speakers via a wire, and signally
10 connected to the wireless communicator. The frequency adjuster receives an external audio signal from the wireless communicator, and adjusts the external audio signal to a first audio signal and a second audio signal to then transmit to the left and right ear speakers respectively, so that the left and right ear speakers emit the first sound wave and the second sound wave respectively. A first frequency of the first sound wave and a second
15 frequency of the second sound wave have a frequency difference.

FIG. 1