

AN EARPHONE SET

ABSTRACT

5

An earphone set with a first earphone and a second earphone, the earphone set comprising: a connector for connecting the first earphone and the second earphone; a memory module for storing audio data; and a power management module for preventing short circuit or inductive surge in current arising from connection or disconnection of the first earphone or the second earphone from the connector, the first earphone comprising: a first sound driver for sound production; and a power supply module for powering the earphone set; the second earphone comprising: a second sound driver for sound production; and a processing unit for converting the stored audio data in the memory module into sound producible by the first sound driver and the second sound driver, the power supply module being adapted to provide power to the first sound driver, the memory module, the second sound driver, and the processing unit, the connector enabling a functional connection between the first earphone and the second earphone, the memory module being resided in at least one of the first earphone, the second earphone and the connector, wherein the connector being coupled to at least one controller for manipulating sound produced by the first and second sound drivers and being detachably connected to the first earphone or the second earphone.

25

Figure 1