VIBRATION TRANSDUCER AND SOMATOSENSORY VIBRATION APPARATUS WITH THE VIBRATION TRANSDUCER

ABSTRACT

A vibration transducer and a somatosensory vibration apparatus with the vibration transducer are disclosed. The vibration transducer includes a main housing, an upper cover, a supporter, a magnet yoke structure, a coil frame and a coil, wherein the main housing, the upper cover and the supporter are fixed and connected together, the supporter is provided with a spring suspension, the magnet yoke structure is suspended on the suspension, the coil frame is fixed on the main housing, the coil is placed on the coil frame, the coil frame is provided with a connection part made of heat-isolating materials, the coil frame is fixed to the main housing by the connection part, and at least one of the main housing and the upper cover is provided with a heat dissipating hole. By configuring the heat-isolating connection part and utilizing the air flow, heat is dissipated through the heat dissipating hole as much as possible with a high efficiency; because the heat of the coil is mainly dissipated by the air flow, the requirement for mounting the coil frame connection part to the main housing is reduced, the production art is simplified, and the production efficiency is improved.

FIG. 2