

Title (en)
AUDIO SYSTEM THAT CAN BE MOUNTED ON THE BODY OF A USER

Title (de)
AM KÖRPER EINES BENUTZERS LAGERBARE SCHALLWIEDERGABEVORRICHTUNG

Title (fr)
DISPOSITIF DE RESTITUTION SONORE POUVANT ETRE PLACE SUR LE CORPS D'UN UTILISATEUR

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Application
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Abstract (en)
[origin: US6062337A] PCT No. PCT/EP97/00605 Sec. 371 Date Jan. 25, 1999 Sec. 102(e) Date Jan. 25, 1999 PCT Filed Feb. 10, 1997 PCT Pub. No. WO97/41709 PCT Pub. Date Nov. 6, 1997A sound reproduction arrangement having at least one sound transducer and a holding means carrying the at least one sound transducer, for support on the body of a user is disclosed. Such an arrangement has been known hitherto as a headset. The headset has two ear caps, in each of which is arranged at least one respective sound transducer. The headset is supported on the body of the user by virtue of it being fitted on to the head so that a respective ear cap bears with its open side directly on an ear of the user or encloses same, and thus the sound transducer or transducers disposed in the ear cap output the acoustic signals directly to the ear (the known headset would therefore in itself be more correctly identified as a [earphone]). It is characteristic of a headset that the left ear receives only the left audio signal and the right ear receives only the right audio signal of the headset. The disclosed sound reproduction arrangement makes it possible to achieve high-quality sound reproduction with improved spatial association, in particular in the case of multi-channel sound reproduction, in a structurally simple manner and without involving the need for a relatively large amount of space, without the installation problems which occur in relation to loudspeaker systems and without being influenced by the acoustics of the room, while reproduction is also to be possible with relatively high sound volumes, without disturbing the environment. This is done by making the holding portion of such a configuration that it can be supported on a part of the body of the user, which is different from the head, and in that situation the at least one sound transducer can be positioned adjacent and at a spacing relative to the head of the user so that the head of the user remains freely movable with respect to the holding means and thus with respect to the at least one sound transducer.

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