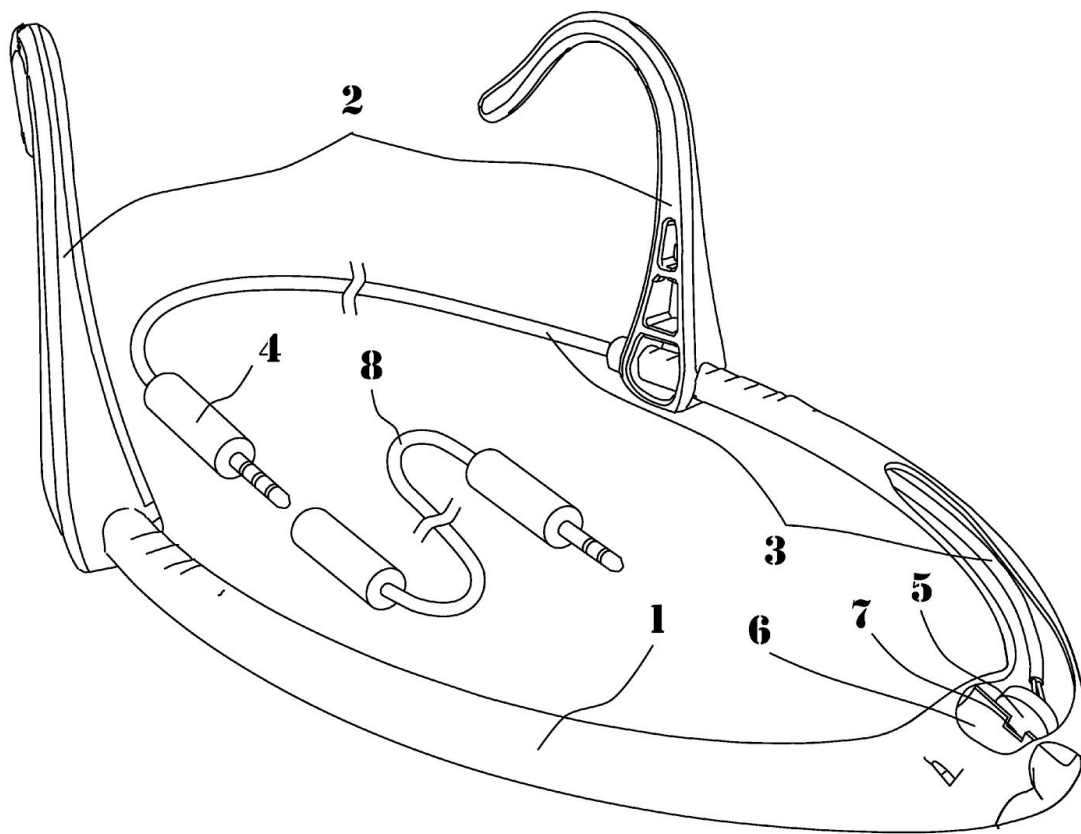


Breathing headset for breathing interaction with smartphones, tablets, laptops, desktop and other personal computers.

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Summary

The object of the patent is breathing headset for breathing interaction with smartphones, tablet, laptop, desktop and other personal computers. More precisely, the headset with adjustable earpiece that holds the measuring tube and the microphone in a stable manner in front of the user's mouth in such way that microphone is protected from the moisture of the exhaled air.

Technical difficulty

Other microphone headsets are not suitable for breathing interaction because they do not allow for microphone positioned in front of user's mouth in a stable manner and because microphone is not protected from the moisture of the exhaled air. Additionally other headsets are not suitable for machine washing. Our solution is to provide non-contact use of such headset and adjustable earpiece, in a way to allow a stable positioning of the measuring tube and microphone in front of user's mouth.

Description

Invention will be described with the following figures:

FIG. 1 breathing headset in 3D

FIG. 2 breathing headset in front view (from user's point of view)

FIG. 3 breathing headset in view from beneath showing "microphone", "measuring tube", and "cover plate"

FIG. 4 breathing headset in side view showing adjustable earpieces and their range of adjustability

Breathing headset consist of holder 1, two individual earpieces 2, cover plate 3, microphone 6, which connect with cable 7 to connector 8 or to device of wireless.

In front of headset, holder 1 with cover plate 3 formed measuring tube. Near tube 4 is located microphone 6, positioned close to the laminar flow of exhalation air in such a way that microphone's 6 membrane is parallel to that laminar flow of air and mechanically separated from the flow of exhalation. On wall of tube 4 there is slit 5 in front of microphone 6, that the laminar flow of exhalation air, which passes through a tube, excitation microphone's 6 membrane.

Two adjustable earpieces 2 for adjustment on heads of various sizes so that measuring tube 4 is located approximately 1 - 2 cm in front of the user's mouth.

Incorporates earpieces 2 with such a cavity, that allow their firm position on the headset and still allows if needed the removal of cable 7 and microphone 6 so that such a design can be disassembled for machine washing or repair.

With adapter 8 is breathing headset, that allow use with more different devices such as, for example smartphones, tablets, laptops, desktop computers etc.

Claims

1. Such a headset, that positions microphone close to the laminar flow of exhalation air in such a way that microphone's membrane is parallel to that laminar flow of air and mechanically separated from the flow of exhalation.

2. Such a headset as according to claim 1,

that uses adjustable earpieces for adjustment on heads of various sizes so that measuring tube is located approximately 1 to 6 cm in front of the user's mouth, preferably 1 to 2 cm.

3. Such a headset as in claim 1,

that incorporates earpieces with such a cavity, that allow their firm position on the headset and still allows for the removal of cable and microphone so that such a design can be disassembled for machine washing or repair.

Figures

Figure 1

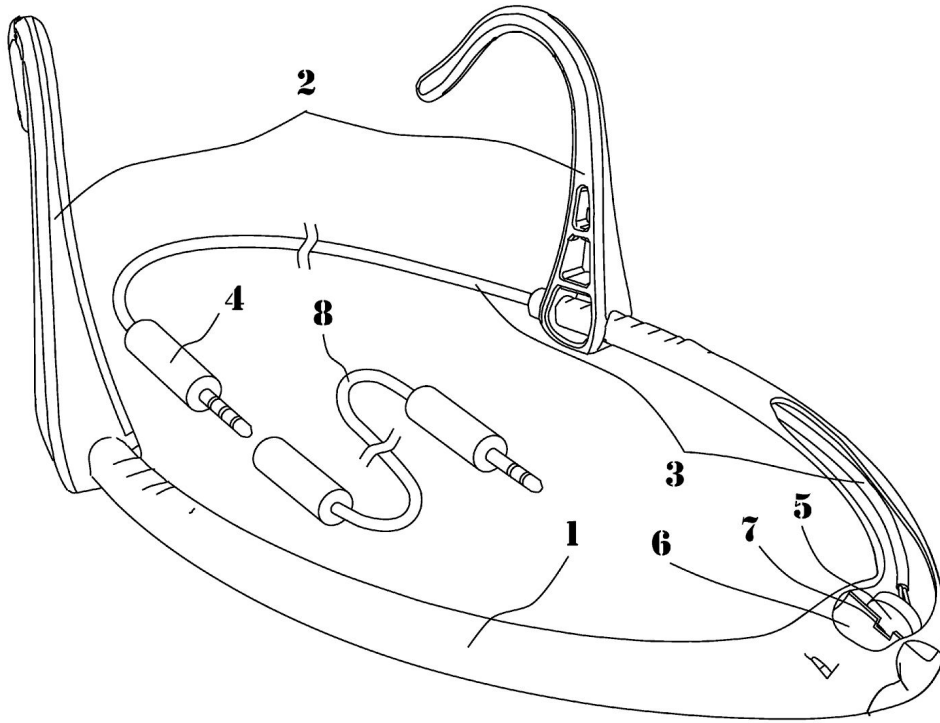


Figure 2

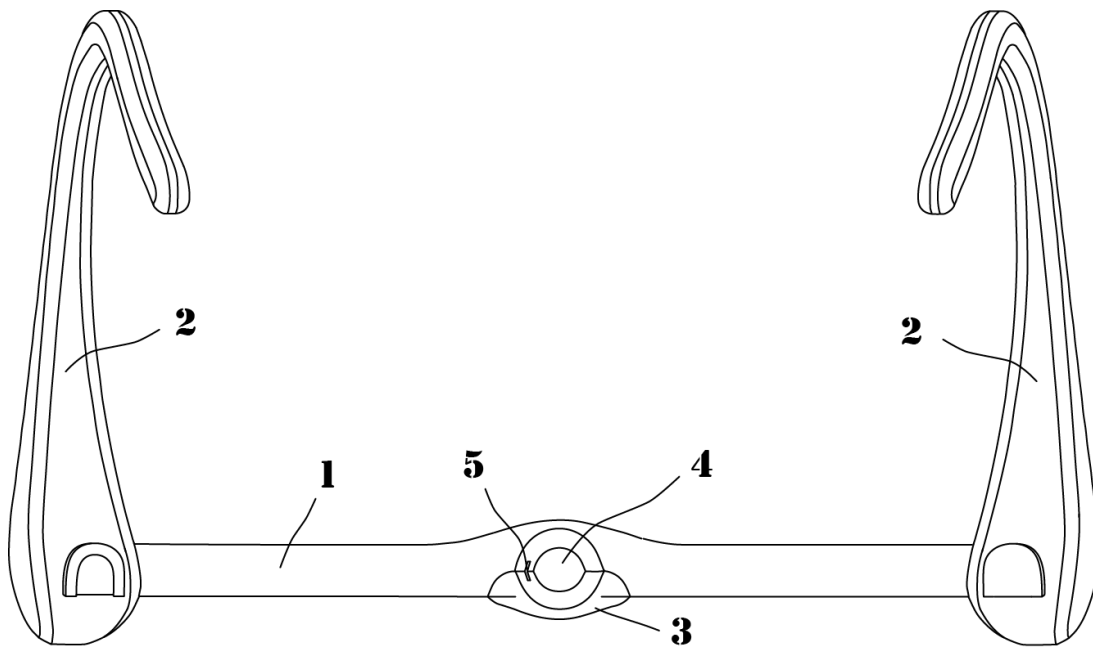


Figure 3

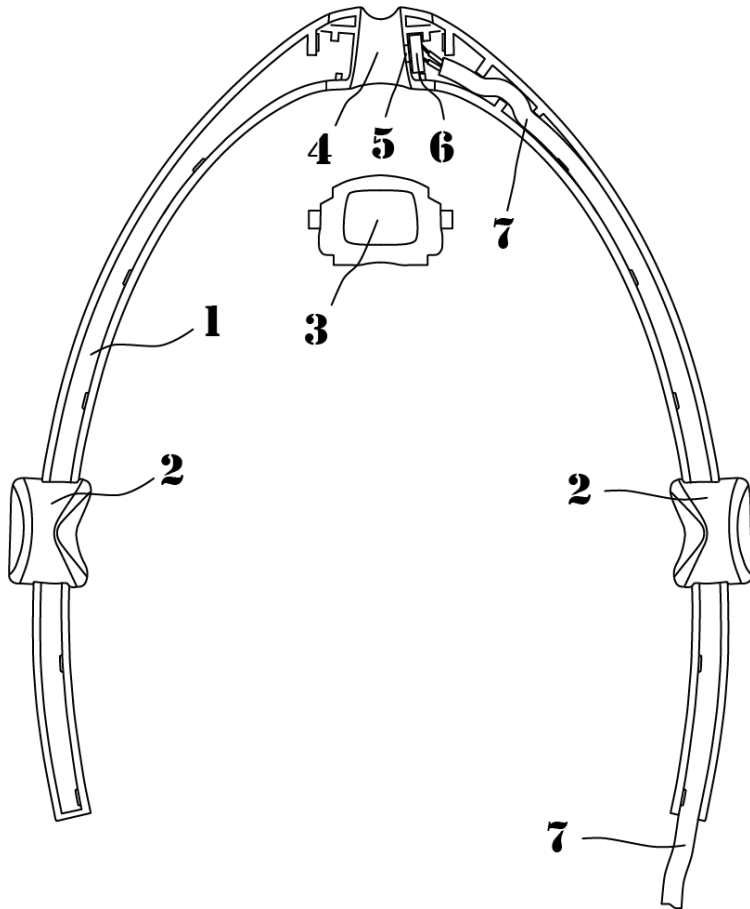


Figure 4

