

**Audio system having beam-shaping speakers and eyewear having
such an audio system**

ABSTRACT

Audio system for arrangement in outer region of an ear having support element that can be fitted to head of user and that has at least one hollow space having a primary opening that is oriented in direction of opening of the ear, and having at least one loudspeaker arranged in hollow space, whose cavity is formed in part by a first hollow space region and by which first sound waves are emitted via primary opening in direction of the ear at a distance. The hollow space has a secondary opening in the first hollow space region such that said secondary opening, is oriented away from the ear into the surroundings, so that the loudspeaker can be used to emit, via secondary opening, second sound waves that have a phase offset in relation to first sound waves such that volume of the sound waves delivered to surroundings can be reduced.

Fig. 4