

Process and Device
for the Acquisition, Transmission, and Reproduction
of Sound Events for Communication Applications

Abstract

A process for the stereophonic acquisition, transmission, and reproduction of sound events for communication applications in telephony, with headphones and microphones available to each participant, in which to the ear area of every participant is assigned a combination consisting of an earphone or a headphone and a microphone each, provided in close proximity one to the other, in a connection that is substantially devoid of feedback, whereby the real, binaurally acquired sound environment, related to the head of the respective acquiring participant with regard to its reflection, diffraction, and resonance behavior, is transmitted to each of the participants, in the form of corresponding stereophonic sound and acoustic images, via a two-channel connection.

Figure 2