

Title (en)

ACTIVE NOISE REDUCTION LOUDSPEAKER COMPONENT OF HEADSET

Title (de)

LAUTSPRECHERKOMPONENTE EINES HEADSETS MIT AKTIVER RAUSCHUNTERDRÜCKUNG

Title (fr)

COMPOSANT DE HAUT-PARLEUR DE RÉDUCTION ACTIVE DU BRUIT DE CASQUE D'ÉCOUTE

Publication

**EP 3644621 A1 20200429 (EN)**

Application

**EP 18201890 A 20181023**

Priority

EP 18201890 A 20181023

Abstract (en)

The Invention relates to an active noise reduction loudspeaker component of a headset, comprising a loudspeaker frame (110), wherein the middle of the loudspeaker frame (110) has a housing hole (112); a loudspeaker magnet (130) housed into the housing hole (112); a loudspeaker coil (150) positioned in a groove of the loudspeaker magnet (130); a loudspeaker diaphragm (170) covered at an opening end of the loudspeaker frame (110); a noise reduction circuit board (210) fixed to the back surface of the loudspeaker frame (110); and a noise reduction microphone (230) connected to the noise reduction circuit board (210) through a microphone line (220) and installed near the loudspeaker frame (110), wherein a gap among the loudspeaker frame (110), the loudspeaker magnet (130), the loudspeaker coil (150) and the loudspeaker diaphragm (170) forms an acoustic cavity. The invention is implemented to obtain a light and dexterous active noise reduction loudspeaker component of a headset capable of reducing the cost, so as to entirely reduce the volume of the headset and reduce the cost of the headset.

IPC 8 full level

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CPC (source: EP)

**G10K 11/17857** (2017.12); **H04R 1/1083** (2013.01); **G10K 2210/1081** (2013.01); **H04R 2460/01** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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