

Title (en)

HEARING DEVICE WITH ACTIVE NOISE CONTROL

Title (de)

HÖRGERÄT MIT AKTIVER GERÄUSCHKONTROLLE

Title (fr)

DISPOSITIF D'AIDE AUDITIVE AVEC CONTRÔLE ACTIF DU BRUIT

Publication

EP 4231662 A1 20230823 (EN)

Application

EP 22157257 A 20220217

Priority

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Abstract (en)

According to the invention, a hearing device (earphone, 'hearable', earbud, earplug, hearing aid, etc.) with a moving coil speaker and with an active noise control circuit has at least one hole in the speaker membrane (41) and/or, if present, in another element of the partition between the speaker front side and the speaker back side to which the membrane (41) belongs. Such other element of the partition may for example be a membrane frame (43) surrounding the membrane and connecting it to a housing (40) of the hearing device. The speaker back side is coupled to ambience, for example via at least one rear port (52).

IPC 8 full level

H04R 1/10 (2006.01); **H04R 1/28** (2006.01)

CPC (source: EP)

H04R 1/1016 (2013.01); **H04R 1/2849** (2013.01); **H04R 1/2857** (2013.01); **H04R 1/288** (2013.01)

Citation (applicant)

EP 3849206 A1 20210714 - SONOVA AG [CH]

Citation (search report)

- [XDYI] EP 3849206 A1 20210714 - SONOVA AG [CH]
- [YA] WO 2019018549 A1 20190124 - SHURE ACQUISITION HOLDINGS INC [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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