

Title (en)
HEARING DEVICE COMPRISING A HOUSING WITH A VENTING PASSAGE

Title (de)
HÖRGERÄT MIT GEHÄUSE MIT EINEM ENTLÜFTUNGSKANAL

Title (fr)
DISPOSITIF AUDITIF COMPRENANT UN BOÎTIER AVEC UN PASSAGE D'AÉRATION

Publication
EP 3637799 B1 20221214 (EN)

Application
EP 18201112 A 20181018

Priority
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Abstract (en)
[origin: EP3637799A1] The disclosure relates to a hearing device comprising a housing (22) having a front opening (33) and a rear opening (34), the housing (22) configured to be at least partially inserted in an ear canal with the front opening (33) facing an inner region of the ear canal extending toward an ear drum, the housing (22) enclosing a cavity (35) between the front opening (33) and the rear opening (34) such that a venting passage (39) for providing an acoustic connection between said inner region of the ear canal and an ambient environment outside the ear canal extends through the cavity (35), the hearing device further comprising an acoustic transducer (44) provided in the cavity (35), and an acoustic valve (41, 81, 111) configured to adjust an effective size of the venting passage (39). To allow an efficient venting between the inner region of the ear canal and the ambient environment, the disclosure proposes an acoustic valve (41, 81, 111) configured to adjust an effective size of the venting passage (39), wherein the acoustic valve (41, 81, 111) is provided at the rear opening (34) and configured to adjust the effective size of the venting passage (39) at the rear opening (34).

IPC 8 full level
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CPC (source: EP)
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H04R 2460/11 (2013.01)

Cited by
WO2022060217A1; EP4007303A3; EP4254985A1; CN112565964A; CN115412794A; US2023086021A1; US12081934B2; NL2026507B1;
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