

Title (en)
HEARING DEVICE

Title (de)
HÖRVORRICHTUNG

Title (fr)
DISPOSITIF AUDITIF

Publication
EP 4254980 A1 20231004 (EN)

Application
EP 22165768 A 20220331

Priority
EP 22165768 A 20220331

Abstract (en)
Provided is a hearing device comprising an earmould (3). The earmould comprises a front end (5), a rear end (7) opposite the front end, and a middle part (8) arranged in-between the front and a rear end. The front end comprises a front opening (9), and the rear end comprises a rear opening. The earmould is configured for the front end to be positioned facing a tympanic membrane of the user during use. The hearing device further comprises a receiver housing (25) arranged at least partly within the earmould, where the receiver housing comprises a receiver (11). The receiver housing (25) being positioned with a first end towards the front end (5) of the earmould and a second, opposite, end towards the rear end (7) of the earmould (3). Further, the hearing device comprises a sound passage extending between the front opening (9) and the rear end (7), and configured to allow for fluid connection between the front opening (9) and an outside of the ear canal of the user during use. An active vent (13) comprised in the hearing device comprises a valve positioned in a space within the earmould limited by the second end of the receiver housing and by the front opening (9), and the valve forms at least a part of the sound passage,. The active vent is configured to have an open state and a closed state, wherein the valve, in the open state, provides a fluid connection through the sound passage, wherein the valve, in the closed state, hinders fluid connection through the sound passage. The hearing device further comprises a supporting structure (29) configured to hold the receiver housing (25) in place within the earmould.

IPC 8 full level
H04R 1/10 (2006.01)

CPC (source: CN EP)
H04R 1/1016 (2013.01 - CN EP); **H04R 1/1075** (2013.01 - EP); **H04R 2201/10** (2013.01 - CN); **H04R 2460/11** (2013.01 - EP)

Citation (search report)
• [X] KR 101363989 B1 20140218 - YUN YOUNG EUN [KR], et al
• [X] US 2020329321 A1 20201015 - DE RUIJTER LAURENS [NL], et al
• [X] US 2019208301 A1 20190704 - MONTI CHRISTOPHER [US], et al
• [A] US 2019208343 A1 20190704 - MONTI CHRISTOPHER [US], et al

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

Designated validation state (EPC)
KH MA MD TN

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