

Title (en)
Hearing aid having controllable vent

Title (de)
Hörgerät mit steuerbarer Entlüftung

Title (fr)
Prothèse auditive à évent réglable

Publication
EP 2835987 A1 20150211 (EN)

Application
EP 13196025 A 20131206

Priority
EP 13196025 A 20131206

Abstract (en)
A hearing aid (44) is disclosed. The hearing aid (44) comprises an earpiece (46) for insertion into the ear canal of the user of the hearing aid (44). A through-going vent (2) is provided in the earpiece (46) and a receiver (36) is provided in the earpiece (46). The hearing aid (44) comprises activation means (20, 36, 42) for automatically changing the acoustical impedance of the vent (2). Hereby it is possible to provide a hearing aid (44) having a limited occlusion effect and limited acoustic feedback.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/456 (2013.01 - EP US); **H04R 25/30** (2013.01 - EP); **H04R 2225/41** (2013.01 - EP); **H04R 2225/61** (2013.01 - EP US); **H04R 2460/09** (2013.01 - EP); **H04R 2460/11** (2013.01 - EP)

Citation (applicant)
EP 2071872 A1 20090617 - OTICON AS [DK]

Citation (search report)
• [X] US 6549635 B1 20030415 - GEBERT ANTON [DE]
• [XD] EP 2071872 A1 20090617 - OTICON AS [DK]
• [X] US 2012082335 A1 20120405 - DUISTERS RONALD PETRUS NICOLAAS [NL], et al
• [X] US 2003059075 A1 20030327 - NIEDERDRANK TORSTEN [DE]
• [X] US 2007007858 A1 20070111 - SORENSEN PER K [DK], et al

Cited by
EP3627848A1; EP3716649A1; US10805711B2; US11438686B2; CN113348680A; CN118509781A; EP3567873A1; US10932069B2; US10917731B2; US11234087B2; US11102576B2; EP3920555A1; EP3413586A1; CN109040931A; WO2020236911A1; US11863935B2; US10887705B2; US2021377643A1; US2023086021A1; US11743626B2; US12081934B2; EP3668117A1; EP3675524A1; EP3675526A1; EP3694227A1; US11317222B2; US11632638B2; US11736868B2; EP3328097A1; US10142745B2; US10356536B2; US10869141B2; US11122358B2; EP3668118A1; CN111328007A; EP4114032A1; US2023007384A1; EP4344253A3; WO2021102469A1; WO2023147858A1; EP3637789A1; US11228848B2; US11991503B2; US12022260B2; US10939217B2; EP3937514A1; US11245973B2; US11432085B2; EP3588981A1; US10856087B2; US11245995B2; US11871186B2

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

DOCDB simple family (publication)
EP 2835987 A1 20150211; EP 2835987 B1 20170830

DOCDB simple family (application)
EP 13196025 A 20131206