

Title (en)

HEARING AID HAVING A MICROPHONE MODULE WITH IMPROVED ULTRASOUND PROPERTIES

Title (de)

HÖRGERÄT MIT EINEM MIKROFONMODUL MIT VERBESSERTEN ULTRASCHALLEIGENSCHAFTEN

Title (fr)

APPAREIL AUDITIF POSSÉDANT UN MODULE DE MICROPHONE PRÉSENTANT DE MEILLEURES PROPRIÉTÉS D'ULTRASON

Publication

EP 3471434 A1 20190417 (EN)

Application

EP 18158599 A 20180226

Priority

EP 18158599 A 20180226

Abstract (en)

A microphone module for use in a hearing aid comprises a PCB, a MEMS microphone mounted on one surface of the PCB, having an acoustic inlet facing the one surface of the PCB, an opening formed in the PCB, which faces the acoustic inlet of the MEMS microphone, a snout element, which is provided opposing the MEMS microphone on the other surface of the PCB, and a passage extending through the snout element, one end thereof facing the opening in the PCB. The passage forms an acoustic channel and is configured to be longer than the length of the opening in the printed circuit board, and at least a part of the passage has a cross-sectional area which is smaller than the opening area in the PCB.

IPC 8 full level

H04R 1/28 (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP)

H04R 1/2846 (2013.01); **H04R 25/48** (2013.01); **H04R 25/604** (2013.01); **H04R 2201/003** (2013.01)

Citation (search report)

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Cited by

CN115515061A; CN114731479A; CN113542961A; WO2021218307A1; WO2024088747A1

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 3471434 A1 20190417

DOCDB simple family (application)

EP 18158599 A 20180226