

Title (en)
Headphone and headset

Title (de)
Kopfhörer und Headset

Title (fr)
Casque et casque à oreillettes

Publication
EP 2830324 A1 20150128 (EN)

Application
EP 14177946 A 20140722

Priority
• EP 2013065523 W 20130723
• EP 14177946 A 20140722

Abstract (en)
A headphone is provided which comprises a housing with an open end and at least one defined dominant acoustic opening, an acoustically sealing earpad arranged at the open end of the housing, and at least one microphone arranged adjacent to common ear or in the vicinity of the dominant acoustical opening for detecting noise, wherein the dominant acoustic opening is arranged within a radius of 2 cm around a midpoint of the at least one microphone. The headphone or earphone also comprises an active noise compensation unit for performing an active noise compensation based on the output of the microphone and for generating a compensation signal. The headphone or earphone also comprises an electro-acoustical transducer inside the housing for reproducing the compensation signal.

IPC 8 full level
H04R 1/10 (2006.01)

CPC (source: EP)
H04R 1/1083 (2013.01); **H04R 1/1008** (2013.01); **H04R 2410/05** (2013.01); **H04R 2460/01** (2013.01)

Citation (applicant)
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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)
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