

Title (en)
HEADPHONES

Title (de)
KOPFHÖRER

Title (fr)
CASQUE D#ÉCOUTE

Publication
EP 3896994 A1 20211020 (EN)

Application
EP 20169938 A 20200416

Priority
EP 20169938 A 20200416

Abstract (en)
Headphones, with one or two earcups (10), wherein each earcup (10) comprises: an electroacoustic sound generator (12) having a membrane (13) configured to radiate sound; a rear wall (14), wherein the membrane is arranged between the rear wall (14) and the user's ear when the headphones are used, wherein a rear side of the membrane (13) faces a rear volume (26) between the membrane (13) and the rear wall (14) and a front side of the membrane (13) faces a front volume (20) between the membrane (13) and the user's ear; and a tube (18) having a first and a second opening and an inner volume, wherein the tube (18) is arranged between the membrane (13) and the rear wall (14), and wherein the first opening of the tube (18) faces the membrane (13) and the second opening of the tube faces a peripheral environment behind the rear wall (14).

IPC 8 full level
H04R 1/10 (2006.01); **H04R 1/28** (2006.01)

CPC (source: EP)
H04R 1/1008 (2013.01); **H04R 1/1041** (2013.01); **H04R 1/1058** (2013.01); **H04R 1/2846** (2013.01); **H04R 1/2803** (2013.01)

Citation (search report)
• [XYI] EP 3188503 A1 20170705 - GN AUDIO AS [DK]
• [XI] US 10623847 B2 20200414 - JIANG CHEN [GB]
• [XI] EP 1853085 A2 20071107 - BOSE CORP [US]
• [Y] US 2016330537 A1 20161110 - BARRENTINE DEREK BOYD [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

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