

Title (en)
Headphone with adjustable localization of the sound presentation generated by it

Title (de)
Kopfhörer mit einstellbarer Ortbarkeit des von ihm erzeugten Schallereignisses

Title (fr)
Casque d'écoute avec localisation réglable d'un événement sonore généré par lui

Publication
EP 1071309 A3 20030702 (DE)

Application
EP 00115655 A 20000720

Priority
DE 19933378 A 19990720

Abstract (en)
[origin: EP1071309A2] The headphones has right and left housing associated with the user's ears with sound walls (10) in which dynamic sound transducers (12,13) are mounted that each contain a treble device (13) and a coaxial middle/bass device (12). The sound wall in each housing has a first section (14) with high damping that covers a region of more than 170 and less than 340 degrees of the middle/bass device with a gap for the treble and an essentially V-shaped area (15) with an opening angle less than 170 and greater than 20 degrees. A second high damping region (17) near the tip of the V-section exposes between 50 and 50 per cent of the treble device.

IPC 1-7
H04R 5/033; **H04R 1/10**

IPC 8 full level
H04R 1/10 (2006.01); **H04R 5/033** (2006.01)

CPC (source: EP US)
H04R 5/033 (2013.01 - EP US); **H04R 1/1075** (2013.01 - EP US); **H04R 1/24** (2013.01 - EP US); **H04R 1/345** (2013.01 - EP US);
H04R 2205/022 (2013.01 - EP US)

Citation (search report)
• [A] WO 9514362 A1 19950526 - KOENIG FLORIAN MEINHARD [DE]
• [A] DE 19635888 A1 19980305 - KOENIG FLORIAN MEINHARD [DE]
• [A] WO 9920077 A1 19990422 - SENNHEISER ELECTRONIC [DE], et al
• [DA] WO 9101616 A2 19910207 - KOENIG FLORIAN MEINHARD [DE]
• [A] KONIG F M: "NEUES KOPFHORERKONZEPT: KONTRA GEHORBELASTUNG", RADIO FERNSEHEN ELEKTRONIK, VEB VERLAG TECHNIK. BERLIN, DE, vol. 44, no. 9, 1 September 1995 (1995-09-01), pages 61 - 64, XP000526563, ISSN: 1436-1574

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WO2019034656A1; US11985490B2; WO2015059291A1; US9906863B2; US10231054B2; DE102017118815A1; US11146874B2

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