

Title (en)
Headphones without radiation

Title (de)
Strahlungsarmer Kopfhörer

Title (fr)
Casque d'écoute sans radiation

Publication
EP 1189481 A3 20031105 (DE)

Application
EP 01122030 A 20010913

Priority
DE 10045177 A 20000913

Abstract (en)
[origin: US2002066617A1] The invention relates to a low-radiation headphone with right and left acoustic irradiation housings corresponding to the ears of the user, with each of the housings having an acoustic baffle (10'') comprising MU-metal and accommodating dynamic audio transducers. The acoustic baffle (10'') is formed in a manner permeable to sound in front of the audio transducers, and has a radiation dissipation zone (20) pointing at the temples of the user. The zone (20) dissipating radiation is provided through a greater density of the MU-metal than in the remaining area of the acoustic baffle (10'') that is permeable to sound. The acoustic baffle (10'') as a whole consists of MU-metal sheet and the audio transducer is perforated in one area (17), but otherwise solid. The radiation dissipation zone (20) is formed in the perforated area of the MU-metal sheet as one piece.

IPC 1-7
H04R 1/10

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

CPC (source: EP US)
H04R 1/1075 (2013.01 - EP US); **H04R 1/1008** (2013.01 - EP US)

Citation (search report)
• [A] DE 19609791 C1 19970717 - DEUTSCHE TELEPHONWERK KABEL [DE]
• [DA] DE 19723644 A1 19981210 - KOENIG FLORIAN MEINHARD [DE]

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US 2002066617 A1 20020606; **US 6554097 B2 20030429**; AT E297648 T1 20050615; EP 1189481 A2 20020320; EP 1189481 A3 20031105; EP 1189481 B1 20050608

DOCDB simple family (application)
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