

Title (en)
Hearing aid

Title (de)
Hörhilfegerät

Title (fr)
Prothèse auditive

Publication
EP 0836364 A3 20030319 (EN)

Application
EP 97116809 A 19970926

Priority
AT 179696 A 19961011

Abstract (en)
[origin: EP0836364A2] A hearing aid with a microphone, an amplifier arrangement connected to the microphone and a sound generator energized by the amplifier and having an output connected to a sound guide structure (10, 10', 10'') which is directed toward an ear, or respectively, an eardrum of a user, wherein between the auditory canal (6) and the sound guide structure (10', 10'', 10'''), a gap remains permitting passage of ambient sounds. In order to prevent fringe haul-generating feedback coupling in spite of the small and compact dimensions of the hearing aid, the sound guide structure (10, 10' 10'') includes a plurality of air containing channels of different lengths having staggered sound discharge openings.
<IMAGE>

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H04R 25/02

IPC 8 full level
H04R 25/00 (2006.01); **H04R 25/02** (2006.01)

CPC (source: EP)
H04R 25/456 (2013.01); **H04R 25/65** (2013.01); **H04R 2460/09** (2013.01)

Citation (search report)
• [A] EP 0455203 A2 19911106 - KNOWLES ELECTRONICS INC [US]
• [A] US 4629833 A 19861216 - KERN REINHARD [DE], et al

Cited by
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