

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>

IPC 1-7  
**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  
EP1874090A1; EP1729540A4; EP1345471A1; DE29918139U1; EP3522568A1; CN110099347A; US7340075B2; US10721572B2; WO0195668A1; US7412068B2; US7233676B2; WO2009121101A1; WO0128289A1

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