

Title (en)  
Hearing aid system

Title (de)  
Hörgerätesystem

Title (fr)  
Système de prothese auditive

Publication  
**EP 1988743 A3 20130102 (EN)**

Application  
**EP 08010893 A 20040205**

Priority  
• EP 04708638 A 20040205  
• US 44503403 P 20030205

Abstract (en)  
[origin: WO2004073349A2] An exemplary hearing aid system includes a receiver configured so as to create an insertion loss over the audible range of hearing below about three decibels as compared to the unaided ear. An exemplary hearing aid system also includes one or more of: a micro-receiver positioned in an open-ear configuration within the ear canal of a user; an intermediate connecting portion extending between a sound processing unit and a receiver, wherein the intermediate connecting portion includes a stiffening wire provided on at least a portion of the intermediate connecting portion and/or within or on at least a portion of the receiver; a retaining wire extending from one of the stiffening wire and the receiver, the retaining wire configured to position within a portion of the concha of the ear; an electrical conducting component comprising two wires within distinct channels or otherwise isolated from one another within the intermediate connecting portion; and a speaker, at least partially enclosed within a casing having first and second end portions, the first end portion communicating with the connection, the speaker communicating with a port provided at the second end portion of the casing, wherein the casing is sealed to fluids and wherein the port is sealed to fluids by a membrane or mesh material. The described hearing aid reduces the insertion and occlusion effects relative to comparison devices.

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

CPC (source: EP)  
**H04R 25/604** (2013.01); **H04R 25/75** (2013.01); **H04R 2460/09** (2013.01)

Citation (search report)  
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DOCDB simple family (publication)  
**WO 2004073349 A2 20040826; WO 2004073349 A3 20041118**; AT E415069 T1 20081215; BR PI0407290 A 20060131;  
CN 1757262 A 20060405; CN 1757262 B 20120523; DE 602004017835 D1 20090102; DK 1590988 T3 20090323; EP 1590988 A2 20051102;  
EP 1590988 A4 20060614; EP 1590988 B1 20081119; EP 1988743 A2 20081105; EP 1988743 A3 20130102; JP 2006518152 A 20060803;  
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