

Title (en)  
Wireless audio signal receiver device for a hearing instrument

Title (de)  
Drahtloses Audiosignalempfängsgerät für ein Hörgerät

Title (fr)  
Dispositif récepteur sans fil de signaux audio pour appareil auditif

Publication  
**EP 2257079 A1 20101201 (EN)**

Application  
**EP 10177384 A 20060330**

Priority  
EP 06006778 A 20060330

Abstract (en)  
The invention relates to a receiver device (10) for receiving audio signals from a remote source (12), comprising: a magnetic loop antenna (20) for receiving radio frequency signals carrying audio signals, a signal processing unit (21) for reproducing audio signals from the radio frequency signals received by the antenna, an output interface (24) which is capable of being mechanically connected to an input interface (26) of a hearing instrument (16) to be worn at a user's ear in order to supply the audio signals from the signal processing unit as input to the hearing instrument, and a housing (18, 64) enclosing the antenna and the signal processing unit, wherein the antenna and at least a portion of the signal processing unit are formed as an integral electronic unit (54) on a common printed circuit board (53) comprising an at least partially flexible insulating substrate (55) which is capable of being partially folded for mounting the printed circuit board within the housing, wherein said portion of the signal processing unit comprises at least a high frequency (HF)-unit (29) receiving HF-signals from the antenna and providing signals at intermediate frequencies to a demodulator (30) of the signal processing unit and wherein the antenna is designed as a printed board circuit with a loop-like conductor (56) on the insulating substrate.

IPC 8 full level  
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Citation (applicant)  
• EP 1531649 A2 20050518 - GENNUM CORP [CA]  
• DE 102004017832 B3 20051020 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]  
• EP 1376760 A2 20040102 - ANDREW CORP [US]  
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Citation (search report)  
• [AD] EP 1531649 A2 20050518 - GENNUM CORP [CA]  
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CH DE DK LI

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**EP 1681903 A2 20060719**; **EP 1681903 A3 20070328**; CN 101416531 A 20090422; CN 101416531 B 20130501; CN 103259075 A 20130821;  
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