

Title (en)

Electric hearing aid with protection device against electromagnetic radiation

Title (de)

Elektrisches Hörhilfegerät mit Schutzeinrichtung gegen elektromagnetische Strahlung

Title (fr)

Prothèse auditive électrique avec dispositif de protection contre la radiation électromagnétique

Publication

**EP 0835041 A1 19980408 (DE)**

Application

**EP 96115851 A 19961002**

Priority

EP 96115851 A 19961002

Abstract (en)

The device includes a casing (1) with an integrated amplifier circuit (3) which comprises at least one microphone (2), a switch- and/or connection devices (8, 9), two filter devices (7), an amplifier device (6) and a voltage source (5). The amplifier circuit is connected to a loudspeaker (4), and has a protection arrangement against the effect of high-frequency signals. The integrated amplifier circuit is protected against performance-related HF currents by several filter elements (11-15), which are passive filters of first or higher order. The filter elements are provided in electric connections (20) to the amplifier circuit, directly on the integrated circuit (IC).

Abstract (de)

Zur Verbesserung der EMV-Festigkeit und zum besonderen Störschutz ist die integrierte Verstärker- und Übertragungsschaltung (3) des Hörhilfegerätes durch Filterelemente (11-15) gegen leitungsgebundene HF-Störströme geschützt, wobei die Filterelemente in elektrischen Anschlüssen (20) der Verstärkerschaltung und unmittelbar am integrierten Schaltkreis vorgesehen sind. <IMAGE>

IPC 1-7

**H04R 25/00**; H04B 15/00

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP US)

**H04R 25/505** (2013.01 - EP US); **H04R 2225/49** (2013.01 - EP US)

Citation (search report)

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