

Title (en)

Hearing aid having improved RF immunity to RF electromagnetic interference produced from a wireless communications device

Title (de)

Hörgerät mit verbesserter Unempfindlichkeit gegen elektromagnetische Störungen erzeugt von einem drahtlosen Kommunikationsgerät

Title (fr)

Prothèse auditive avec une immunité améliorée contre des interférences électromagnétiques produites par un dispositif de communication sans fil

Publication

EP 1793649 A1 20070606 (EN)

Application

EP 05257370 A 20051130

Priority

EP 05257370 A 20051130

Abstract (en)

A hearing aid has improved immunity to RF electromagnetic interference produced from wireless communications devices. A microphone receives audio signals from the environment. Audio circuitry is connected to the microphone and amplifies the audio signals. A speaker is connected to the audio circuitry and directs the audio signals into an ear canal of the user of the hearing aid. The audio connection lines connect the microphone and audio circuitry and the speaker and audio circuitry. A filter is connected into each of the audio connection lines and operative for reducing the RF coupling from a wireless communications device.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/554 (2013.01 - EP US); **H04R 25/607** (2019.05 - EP US); **H04R 2225/49** (2013.01 - EP)

Citation (search report)

- [X] US 6104821 A 20000815 - HUSUNG KUNIBERT [DE]
- [XY] DE 19602453 C1 19970703 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [XY] US 6546109 B1 20030408 - GNECCO LOUIS THOMAS [US], et al
- [X] DE 19724491 A1 19980702 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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