

Title (en)

Space saving antenna assembly for hearing aids

Title (de)

Platzsparende Antennenanordnung für Hörhilfegeräte

Title (fr)

Ensemble d'antennes à encombrement réduit pour prothèses auditives

Publication

EP 1389891 A3 20080213 (DE)

Application

EP 03017297 A 20030730

Priority

DE 10236940 A 20020812

Abstract (en)

[origin: EP1389891A2] The device has a microphone (10) to acquire an acoustic input signal and to transduce it into an electrical signal. A signal processing and control unit (12) processes the electrical signal. A receiver (14A) transduces the electrical signal into an acoustic signal. An antenna coil (14B) is wound around the receiver or the microphone. The coil implements the wireless transmission of data.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/554 (2013.01 - EP US); **H04R 2225/51** (2013.01 - EP US)

Citation (search report)

- [A] DE 4326358 C1 19941124 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] DE 4319599 C1 19940825 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] WO 9110243 A1 19910711 - KNOWLES ELECTRONICS CO [GB]
- [A] DE 19854201 A1 20000621 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]

Cited by

EP3151585A1; WO2013135307A1; EP1651006A3; EP3209032A1; EP2214423A3; US10097932B2; WO2014086392A1; US9426588B2; US10021495B2; EP3122071B1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1389891 A2 20040218; EP 1389891 A3 20080213; EP 1389891 B1 20081119; AT E415068 T1 20081215; DE 10236940 B3 20040219; DE 50310798 D1 20090102; DK 1389891 T3 20090323; US 2004028251 A1 20040212; US 7260234 B2 20070821

DOCDB simple family (application)

EP 03017297 A 20030730; AT 03017297 T 20030730; DE 10236940 A 20020812; DE 50310798 T 20030730; DK 03017297 T 20030730; US 63497503 A 20030805