

Title (en)

Hearing aid with transparent electrical hearing tube

Title (de)

Hörhilfe mit transparentem elektrischem Hörschlauch

Title (fr)

Prothèse auditive avec tuyau auditif électrique transparent

Publication

EP 2148529 A3 20130417 (DE)

Application

EP 09164307 A 20090701

Priority

DE 102008034714 A 20080725

Abstract (en)

[origin: EP2148529A2] The hearing aid (1) has a receiver (4) arranged outside of a housing (2). A transparent hearing tube (3) connects the receiver and the housing. An electrical line made of a transparent, conductive polymer is provided in the transparent hearing tube for electrically connecting the receiver with an electronic signal processor (6). An electrical insulator is made of a transparent, non-conductive polymer and insulates the line. The line and the insulator are arranged coaxially. The processor serves to subject acoustic signals received from the hearing aid to a signal processing operation.

IPC 8 full level

H04R 25/00 (2006.01); **H01B 1/12** (2006.01); **H01B 7/04** (2006.01)

CPC (source: EP US)

H04R 25/60 (2013.01 - EP US); **H01B 7/048** (2013.01 - EP US); **H01B 7/361** (2013.01 - EP US); **H04R 1/105** (2013.01 - EP US); **H04R 2225/0213** (2019.04 - EP US); **H04R 2225/57** (2019.04 - EP US)

Citation (search report)

- [XYI] DE 19845819 A1 20000330 - BAR YOAV YIGAL [DE]
- [Y] GB 792742 A 19580402 - HELMUT KOHLER, et al
- [A] DE 2721469 A1 19781116 - SIEMENS AG
- [A] EP 1381058 A1 20040114 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by

EP3188509A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2148529 A2 20100127; **EP 2148529 A3 20130417**; CN 101635875 A 20100127; DE 102008034714 A1 20100204; DE 102008034714 B4 20120119; US 2010020997 A1 20100128

DOCDB simple family (application)

EP 09164307 A 20090701; CN 200910139691 A 20090702; DE 102008034714 A 20080725; US 50388309 A 20090716