

Title (en)

Hearing-aid device and corresponding operating method

Title (de)

Hörhilfsvorrichtung und entsprechendes Betriebsverfahren

Title (fr)

Dispositif de prothèse auditive et procédé de fonctionnement correspondant

Publication

**EP 1594343 A3 20071107 (DE)**

Application

**EP 05103360 A 20050426**

Priority

DE 102004021964 A 20040504

Abstract (en)

[origin: EP1594343A2] The hearing aid (H) is inserted in the user's ear and has a large switch element (A). A directional microphone is mounted in the switch element and may be arranged to point directly forward on a horizontal axis. The microphone on each side is electrically connected via a hearing aid chip to a miniature loudspeaker. When the user is using a telephone, the switch on each side is turned to point diagonally downward and a Bluetooth (RTM) chip is connected to the hearing aid chip. It uses an antenna to transmit and receive signals.

IPC 8 full level

**H04R 25/00** (2006.01); **H04R 1/10** (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP US)

**H04R 25/405** (2013.01 - EP US); **H04R 25/554** (2013.01 - EP US); **H04R 25/603** (2019.05 - EP US); **H04R 2225/61** (2013.01 - EP US)

Citation (search report)

- [DA] EP 0591791 A1 19940413 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [DA] DE 9320391 U1 19940623 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] WO 0223950 A2 20020321 - MICRO EAR TECH DBA MICRO TECH [US], et al

Cited by

FR2923132A1; WO2008125107A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1594343 A2 20051109; EP 1594343 A3 20071107; EP 1594343 B1 20081105**; AT E413787 T1 20081115; DE 102004021964 B3 20051020; DE 502005005849 D1 20081218; DK 1594343 T3 20090309; US 2005249372 A1 20051110; US 7450731 B2 20081111

DOCDB simple family (application)

**EP 05103360 A 20050426**; AT 05103360 T 20050426; DE 102004021964 A 20040504; DE 502005005849 T 20050426; DK 05103360 T 20050426; US 12059605 A 20050503