

Title (en)

EARPIECE FOR THE EAR CANAL WITH OFF-AXIS ELECTRONIC PACKAGE AND RECEIVER

Title (de)

OHRSTÜCK MIT NICHT IN EINER ACHSE ANGEORDNETEM ELEKTRONIKGEHÄUSE UND HÖRER IM GEHÖRGANG

Title (fr)

ÉCOUTEUR COMPORTANT UN BOÎTIER ÉLECTRONIQUE ET UN RÉCEPTEUR ORDONNÉS HORS-AXE DANS LE CANAL AUDITIF

Publication

**EP 3739905 A1 20201118 (EN)**

Application

**EP 19174104 A 20190513**

Priority

EP 19174104 A 20190513

Abstract (en)

The disclosed technology relates to an earpiece with an electronic package and a receiver, where the electronic package and the receiver are positioned off-axis within an ear canal. The electronic package and the receiver can be assembled in a single component, where the electronic package and the receiver are in different planes. The electronic package can include a sensor or actuator and the receiver can provide audio signals to a user's ear drum (e.g., a loudspeaker). In some implementations, the hearing device is characterized in that the electronic package and the receiver are positioned at an angle alpha ( $\alpha$ ) relative to each other, where the angle alpha ( $\alpha$ ) is based on a difference between an axis of the electronic package relative to an axis of the receiver.

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP)

**H04R 25/652** (2013.01); **H04R 25/658** (2013.01); **H04R 25/552** (2013.01); **H04R 2225/021** (2013.01); **H04R 2225/023** (2013.01); **H04R 2225/025** (2013.01); **H04R 2225/77** (2013.01)

Citation (applicant)

DE 102013001920 B3 20140807 - PHONAK AG [CH]

Citation (search report)

- [XAYI] US 2014270191 A1 20140918 - NIKLES PETER [DE]
- [XI] EP 1246507 A1 20021002 - WIDEX AS [DK]
- [XAI] EP 3399775 A1 20181107 - SIVANTOS PTE LTD [SG]
- [XAI] US 6212283 B1 20010403 - FLETCHER HENRY [US], et al
- [Y] EP 3477968 A2 20190501 - STARKEY LABS INC [US]
- [Y] EP 2747455 A2 20140625 - STARKEY LAB INC [US]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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