

Title (en)
Hearing instrument

Title (de)
Hörgerät

Title (fr)
Instrument auditif

Publication
EP 2432255 B1 20130731 (EN)

Application
EP 11007690 A 20050114

Priority
• EP 11007690 A 20050114
• EP 05405022 A 20050114

Abstract (en)
[origin: EP1681904A1] According to the first aspect of the invention, a hearing instrument with at least one microphone and signal processing comprises at least two receivers having a different frequency response. At least a first one of the receivers is placed outside the ear canal, for example in a behind-the-ear component. According to the second aspect of the invention, a hearing instrument comprising a behind-the-ear component and an external component for being placed in the user's ear canal or in the user's ear as well as a connection link between the behind-the-ear component and the external component is provided, where the connection link is reversibly pluggable to the behind-the-ear component and/or the in-the-ear-canal component and has a length that is reversibly adjustable. The hearing instrument also comprises fixation means for reversibly fixing the adjusted length of the connection link. A hearing instrument according to the third aspect comprises a fixation means separate from the in-the-ear-canal component. The fixation means may be positioned in the ear canal and rest therein. The in-the-ear-canal component may be connected to the fixation means and detached therefrom when the same is already in the ear canal. A hearing instrument according to the fourth aspect of the invention comprises an in-the-ear-canal component to be placed in a user's ear canal and fixation means for fixing it in the ear canal. The fixation means comprise an outer shell which is shaped to fit (i.e. custom shaped to fit the specific user's ear geometry) in the user's ear canal and a mounting structure for holding the in-the-ear-canal component. The outer shell is preferably resilient, i.e. has an elasticity allowing temporal deformation.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP)
H04R 25/505 (2013.01); **H04R 2430/03** (2013.01); **H04R 2460/03** (2013.01)

Designated contracting state (EPC)
CH DE DK LI

DOCDB simple family (publication)
EP 1681904 A1 20060719; EP 1681904 B1 20120912; DK 1681904 T3 20130102; DK 2432254 T3 20131125; DK 2432255 T3 20131014; EP 2432254 A2 20120321; EP 2432254 A3 20120808; EP 2432254 B1 20130828; EP 2432255 A2 20120321; EP 2432255 A3 20120404; EP 2432255 B1 20130731

DOCDB simple family (application)
EP 05405022 A 20050114; DK 05405022 T 20050114; DK 11007689 T 20050114; DK 11007690 T 20050114; EP 11007689 A 20050114; EP 11007690 A 20050114