

Title (en)
CONNECTOR FOR A RIC-BTE HEARING INSTRUMENT AND RIC-BTE HEARING INSTRUMENT

Title (de)
KONNEKTOR FÜR RIC-BTE HÖRGERÄT UND RIC-BTE HÖRGERÄT

Title (fr)
CONNECTEUR POUR APPAREIL AUDITIF RIC-BTE ET APPAREIL AUDITIF RIC-BTE

Publication
EP 2540098 A1 20130102 (DE)

Application
EP 10717115 A 20100427

Priority
• US 31992110 P 20100401
• DE 102010008871 A 20100222
• EP 2010055604 W 20100427

Abstract (en)
[origin: WO2011101041A1] The invention relates to a connector for a hearing instrument, in particular a receiver-in-canal behind-the-ear hearing aid. The aim of the invention is to specify a small and visually inconspicuous connector for a hearing instrument, which connector should be as invisible as possible on the carried hearing instrument, and which connector allows a microphone arrangement favorable for directionality and sound pick-up when used on a behind-the-ear hearing aid. For this purpose, a connector (24, 44, 101, 108, 121, 134) on an earpiece tube (25, 35, 45, 102, 114, 133) is specified, wherein a longitudinal direction is defined by the earpiece tube (25, 35, 45, 102, 114, 133) in the area of the connector (24, 44, 101, 108, 121, 134), and wherein the connector (24, 44, 101, 108, 121, 134) is connected by insertion into a connector receptacle (29, 39, 111, 119, 120) of a hearing instrument transversely to the longitudinal direction. In addition, a hearing instrument is specified, in particular a receiver-in-canal behind-the-ear hearing aid, comprising a laterally arranged connector receptacle (29, 39, 111, 119, 120), into which a connector (24, 44, 101, 108, 121, 134) is inserted transversely to the longitudinal direction. Because the connector is inserted transversely to the longitudinal direction, the connector can be arranged laterally on the housing. Because of the lateral arrangement, the front end face of the housing can be smaller and thus the housing overall can be flatter. In addition, a microphone can be arranged on the end face instead of the connector, which is advantageous to sound pick-up and directionality.

IPC 8 full level
H01R 13/24 (2006.01); **H01R 13/52** (2006.01); **H01R 13/56** (2006.01); **H01R 13/639** (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP US)
H04R 25/607 (2019.04 - EP US); **H01R 13/2471** (2013.01 - EP US); **H01R 13/5219** (2013.01 - EP US); **H01R 13/567** (2013.01 - EP US); **H01R 13/639** (2013.01 - EP US); **H01R 2201/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2011101041A1

Cited by
EP2560411B1; EP2540098B1

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

DOCDB simple family (publication)
WO 2011101041 A1 20110825; DK 2540098 T3 20190114; DK 2560411 T3 20170515; EP 2540098 A1 20130102; EP 2540098 B1 20180912; EP 2560411 A2 20130220; EP 2560411 A3 20140813; EP 2560411 B1 20170208; US 10462587 B2 20191029; US 10805743 B2 20201013; US 2013004005 A1 20130103; US 2020021925 A1 20200116

DOCDB simple family (application)
EP 2010055604 W 20100427; DK 10717115 T 20100427; DK 12007364 T 20100427; EP 10717115 A 20100427; EP 12007364 A 20100427; US 201013580435 A 20100427; US 201916565622 A 20190910