

Title (en)
IN-EAR EARPIECE AND EXPANSION ADAPTER

Title (de)
IN-OHR HÖRER UND ERWEITERUNGSADAPTER

Title (fr)
ÉCOUTEUR INTRA-AURICULAIRE ET ADAPTATEUR D'EXTENSION

Publication
EP 2332342 A1 20110615 (DE)

Application
EP 09783053 A 20090915

Priority
• EP 2009061973 W 20090915
• DE 102008047520 A 20080916

Abstract (en)
[origin: WO2010031775A1] An in-ear earpiece is provided, comprising a housing (50) for accommodating an electroacoustic transducer and an expansion adapter unit (20) that is coupled to the housing (50) of the in-ear earpiece. The expansion adapter unit comprises an expansion unit (20) with an upper part (26) that has a curvature for fitting into a crus inferius anthelicis, an anti-helix and/or a concha of an ear of a user. The expansion adapter unit further comprises at least one coupling element for coupling the upper part (26) to the housing (50) of the in-ear earpiece, wherein the expansion unit (20) comprises at least two flexible legs (22, 25) as coupling elements, wherein one leg (22) is coupled to a first end (28) of the upper part (26) and a second leg (25) is coupled to a second end (29) of the upper part (26).

IPC 8 full level
H04R 1/10 (2006.01)

CPC (source: EP US)
H04R 1/1016 (2013.01 - EP US); **H04R 1/105** (2013.01 - EP US); **H04R 1/1058** (2013.01 - EP US); **H04R 1/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2010031775A1

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)
WO 2010031775 A1 20100325; CN 102217329 A 20111012; CN 102217329 B 20150708; DE 102008047520 A1 20100415; DE 102008047520 B4 20211014; EP 2332342 A1 20110615; EP 2332342 B1 20180711; EP 3416404 A1 20181219; EP 3416404 B1 20220420; EP 3416404 B8 20220615; US 2011255729 A1 20111020; US 2015055816 A1 20150226; US 2015358711 A1 20151210; US 8897480 B2 20141125; US 9143855 B2 20150922; US 9294831 B2 20160322

DOCDB simple family (application)
EP 2009061973 W 20090915; CN 200980145676 A 20090915; DE 102008047520 A 20080916; EP 09783053 A 20090915; EP 18182190 A 20090915; US 200913063915 A 20090915; US 201414508235 A 20141007; US 201514830074 A 20150819