

Title (en)

STAND-ALONE MULTIFUNCTIONAL HEADPHONES FOR SPORTS ACTIVITIES

Title (de)

EIGENSTÄNDIGER MULTIFUNKTIONSKOPFHÖRER FÜR SPORTLICHE AKTIVITÄTEN

Title (fr)

ÉCOUTEUR MULTIFONCTION AUTONOME POUR ACTIVITÉS SPORTIVES

Publication

**EP 3097701 A1 20161130 (DE)**

Application

**EP 15701337 A 20150123**

Priority

- DE 102014100824 A 20140124
- EP 2015051356 W 20150123

Abstract (en)

[origin: WO2015110577A1] An apparatus is described that has the following: (a) a housing that is set up to be worn in an ear, (b) a motion sensor unit for capturing motion data, (c) a physiological sensor unit for capturing physiological data, (d) a data processing unit that is set up to produce performance data on the basis of the motion data and/or the physiological data, (e) a signal processing unit that is set up to produce an audio signal on the basis of the performance data produced, and (f) a loudspeaker for outputting the audio signal produced, wherein the motion sensor unit, the physiological sensor unit, the loudspeaker, the data processing unit and the signal processing unit are integrated in the housing. In addition, a system, a method and a use are described.

IPC 8 full level

**H04R 1/10** (2006.01); **H04R 1/14** (2006.01); **H04R 5/033** (2006.01)

CPC (source: EP US)

**A61B 5/14551** (2013.01 - US); **A61B 5/6817** (2013.01 - US); **G06F 3/017** (2013.01 - US); **G06F 3/044** (2013.01 - US); **H04R 1/1016** (2013.01 - US); **H04R 1/1041** (2013.01 - US); **H04R 1/1058** (2013.01 - US); **H04R 1/1083** (2013.01 - US); **H04R 1/1091** (2013.01 - EP); **H04R 5/033** (2013.01 - EP); **A61B 5/6843** (2013.01 - US); **A61B 2562/0219** (2013.01 - US); **H04R 1/1016** (2013.01 - EP); **H04R 1/1041** (2013.01 - EP); **H04R 1/1083** (2013.01 - EP); **H04R 1/14** (2013.01 - EP); **H04R 5/033** (2013.01 - US); **H04R 2201/107** (2013.01 - EP); **H04R 2420/07** (2013.01 - EP US); **H04R 2460/13** (2013.01 - EP 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)

**WO 2015110577 A1 20150730**; CN 106464995 A 20170222; DE 102014100824 A1 20150730; EP 3097701 A1 20161130; US 10856063 B1 20201201; US 11871172 B2 20240109; US 2021084403 A1 20210318; US 2024121548 A1 20240411

DOCDB simple family (application)

**EP 2015051356 W 20150123**; CN 201580014977 A 20150123; DE 102014100824 A 20140124; EP 15701337 A 20150123; US 201515113435 A 20150123; US 202017104542 A 20201125; US 202318545560 A 20231219