

Title (en)

UNIVERSAL ADAPTER FOR HEARING AIDS AND EARPHONES

Title (de)

UNIVERSAL-ADAPTER FÜR HÖRGERÄTE UND OHRHÖRER

Title (fr)

ADAPTATEUR UNIVERSEL POUR APPAREILS AUDITIFS ET ÉCOUTEURS

Publication

EP 3750329 A1 20201216 (DE)

Application

EP 19709372 A 20190204

Priority

- EP 2019052678 W 20190204
- DE 102018001016 A 20180205
- DE 102018107195 A 20180326

Abstract (en)

[origin: CA3090340A1] The invention relates to the field of hearing aids and earphones. More precisely, the invention relates to a universal adapter for in-the-ear hearing aids and earphones. The universal adapter serves to introduce the sound of a hearing aid or an earphone in the auditory canal, wherein the adapter has trapezoidal hollow segments (5) which are arranged separately from one another along a centrally arranged locking nipple (2) with the radial side walls (15) thereof, said radial side walls decreasing from the dorsal to the proximal side and said locking nipple serving to receive a sound output connector of the hearing aid. By way of the proximal ends (14) of the abutment areas (1), the hollow segments (5) are connected to a proximal end (6) of the locking nipple (2). The adapter has the form of a truncated ellipsoid body. It independently adapts itself to the form of the auditory canal.

IPC 8 full level

H04R 25/00 (2006.01); **H04R 1/10** (2006.01)

CPC (source: EP KR US)

H04R 1/1016 (2013.01 - KR US); **H04R 25/604** (2013.01 - KR); **H04R 25/65** (2013.01 - EP); **H04R 25/656** (2013.01 - EP KR US);
H04R 1/1016 (2013.01 - EP); **H04R 25/604** (2013.01 - EP); **H04R 2225/025** (2013.01 - EP KR US); **H04R 2460/09** (2013.01 - EP KR US);
H04R 2460/11 (2013.01 - EP KR 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)

DE 102018107195 B3 20190214; AU 2019214441 A1 20200827; AU 2019214441 B2 20240321; CA 3090340 A1 20190808;
CN 111684821 A 20200918; CN 111684821 B 20220531; EP 3750329 A1 20201216; EP 3750329 B1 20240821; EP 3750329 C0 20240821;
JP 2021514597 A 20210610; JP 7352576 B2 20230928; KR 20200116969 A 20201013; US 11218819 B2 20220104;
US 2021076145 A1 20210311; WO 2019149947 A1 20190808

DOCDB simple family (application)

DE 102018107195 A 20180326; AU 2019214441 A 20190204; CA 3090340 A 20190204; CN 201980011409 A 20190204;
EP 19709372 A 20190204; EP 2019052678 W 20190204; JP 2020563814 A 20190204; KR 20207025279 A 20190204;
US 201916966637 A 20190204