

Title (en)
IN-EAR RECEIVER

Title (de)
IN-OHR HÖRER

Title (fr)
ÉCOUTEUR INTRA-AURICULAIRE

Publication
EP 3643077 A1 20200429 (DE)

Application
EP 18732022 A 20180614

Priority
• DE 102017114008 A 20170623
• EP 2018065749 W 20180614

Abstract (en)
[origin: CA3067533A1] The invention relates to an in-ear receiver (1), in particular a headset and/or hearing aid, comprising a housing (2) that has at least one ear channel portion (3) which is inserted into an ear canal (10) of a wearer when the in-ear receiver is used as intended and has an outer contour (4) adapted at least in one portion to the ear canal (10), a sound transducer (5) arranged in the housing (2), and at least one resonance space (6), which is formed in the housing (2) and is divided by the sound transducer (5) into a front volume (7) and a rear volume (8). According to the invention, the sound transducer (5) is a MEMS sound transducer and the front volume (7) and/or the rear volume (8) has an inner contour (9) adapted to the ear canal (10).

IPC 8 full level
H04R 1/10 (2006.01); **H04R 19/00** (2006.01); **H04R 19/02** (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP KR US)
H04R 1/1016 (2013.01 - EP KR US); **H04R 1/1058** (2013.01 - EP US); **H04R 1/1075** (2013.01 - KR); **H04R 1/2807** (2013.01 - EP KR);
H04R 1/2811 (2013.01 - US); **H04R 1/2869** (2013.01 - EP); **H04R 1/2876** (2013.01 - EP KR); **H04R 9/18** (2013.01 - EP KR);
H04R 11/14 (2013.01 - EP KR US); **H04R 15/02** (2013.01 - EP KR); **H04R 17/10** (2013.01 - EP KR); **H04R 19/005** (2013.01 - KR);
H04R 25/604 (2013.01 - US); **H04R 25/652** (2013.01 - EP KR US); **H04R 25/656** (2013.01 - US); **H04R 25/658** (2013.01 - EP KR US);
H04R 1/1075 (2013.01 - EP); **H04R 19/005** (2013.01 - EP); **H04R 19/02** (2013.01 - EP); **H04R 25/554** (2013.01 - EP);
H04R 25/604 (2013.01 - EP); **H04R 2201/003** (2013.01 - EP KR US); **H04R 2201/029** (2013.01 - EP US); **H04R 2201/105** (2013.01 - EP);
H04R 2225/77 (2013.01 - EP); **H04R 2420/07** (2013.01 - EP); **H04R 2440/03** (2013.01 - EP); **H04R 2440/05** (2013.01 - EP);
H04R 2440/07 (2013.01 - EP)

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 102017114008 A1 20181227; AU 2018286816 A1 20200130; CA 3067533 A1 20181227; CN 110915229 A 20200324;
CN 110915229 B 20220311; EP 3643077 A1 20200429; EP 3643077 B1 20230816; KR 20200024850 A 20200309;
SG 11201912477T A 20200130; TW 201906420 A 20190201; US 11178497 B2 20211116; US 2020221238 A1 20200709;
WO 2018234132 A1 20181227

DOCDB simple family (application)
DE 102017114008 A 20170623; AU 2018286816 A 20180614; CA 3067533 A 20180614; CN 201880036491 A 20180614;
EP 18732022 A 20180614; EP 2018065749 W 20180614; KR 20207002260 A 20180614; SG 11201912477T A 20180614;
TW 107121030 A 20180619; US 201816624552 A 20180614