

Title (en)  
BONE CONDUCTION HEADPHONE

Title (de)  
KNOCHENLEITENDER KOPFHÖRER

Title (fr)  
CASQUE D'ÉCOUTE À CONDUCTION OSSEUSE

Publication  
**EP 3125573 A1 20170201 (EN)**

Application  
**EP 15872552 A 20151117**

Priority  
• JP 2014259684 A 20141224  
• JP 2015082250 W 20151117

Abstract (en)  
Problem: To provide a bone conduction headphone with which, in the case where a normal hearing listener uses it, music can be enjoyed with a high sound quality with no need for blocking the ear hole, and, in addition, while listening to music, he or her can listen to an external sound, and, for example, even if he or her makes jogging while listening to music, a call, a horn sound, or the like, from the outside can be heard, whereby the bone conduction headphone can be used with safety. Solution: A bone conduction headphone, including a bone conduction speaker 1, and an air conduction speaker 3 that is mounted to a housing 2 of the bone conduction speaker 1, in which, upon the bone conduction headphone being worn, the bone conduction speaker 1 is disposed so as to be positioned in front of an ear hole 11, and a sound emitting hole 4 of the air conduction speaker 3 is disposed so as to be oriented directly or indirectly to the ear hole 11.

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

CPC (source: EP)  
**H04R 1/1091** (2013.01); **H04R 1/26** (2013.01); **H04R 1/028** (2013.01); **H04R 1/1075** (2013.01); **H04R 2460/13** (2013.01)

Cited by  
CN111565349A; US2022386021A1; EP4091336A4; EP3445066A1; US10277971B2; US10231046B1; US10812890B2

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)  
**EP 3125573 A1 20170201**; **EP 3125573 A4 20171011**; CN 107005759 A 20170801; JP WO2016103983 A1 20171005;  
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DOCDB simple family (application)  
**EP 15872552 A 20151117**; CN 201580070643 A 20151117; JP 2015082250 W 20151117; JP 2016566034 A 20151117