

Title (en)  
In-ear device

Title (de)  
Im-Ohr-Gerät

Title (fr)  
Dispositif intra-auriculaire

Publication  
**EP 1578168 B1 20101222 (EN)**

Application  
**EP 05014328 A 20050701**

Priority  
EP 05014328 A 20050701

Abstract (en)  
[origin: EP1578168A2] A housing (1) inserted in to the ear of a user is disclosed, said housing (1) comprising a lateral end (8) defined by being a part of the housing (1) which is directed towards surroundings if the housing (1) is inserted into the ear, a medial end (6) defined by being a part of the housing (1) which is directed towards the inner ear of the user if the housing (1) is inserted into the ear, said medial end (6) comprising at least a medial opening (5, 9), wherein at least the lateral end (8) of the housing (1) is covered by a cover element (2). The cover element (2) is acoustically transparent and made of open porous foam. The inventive in-ear device can be used as hearing device to improve the hearing of a hearing impaired person or as a communication device for natural and/or for remote communication.

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

CPC (source: EP US)  
**H04R 1/1016** (2013.01 - EP US); **H04R 25/65** (2013.01 - EP); **H04R 25/554** (2013.01 - EP); **H04R 25/652** (2013.01 - EP US); **H04R 25/658** (2013.01 - EP US); **H04R 2225/023** (2013.01 - EP); **H04R 2225/025** (2013.01 - EP); **H04R 2225/43** (2013.01 - EP); **H04R 2410/07** (2013.01 - EP); **H04R 2420/07** (2013.01 - EP); **H04R 2460/11** (2013.01 - EP); **H04R 2499/11** (2013.01 - EP)

Cited by  
EP2309773A1; US8295505B2; US10667049B2; WO2007085307A1; WO2011050862A1; WO2018073489A1

Designated contracting state (EPC)  
CH DE DK LI

DOCDB simple family (publication)  
**EP 1578168 A2 20050921; EP 1578168 A3 20060201; EP 1578168 B1 20101222**; DE 602005025426 D1 20110203; DK 1578168 T3 20110411

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