

Title (en)  
EARPIECE FOR A HEARING DEVICE

Title (de)  
OHRSTÜCK FÜR EIN HÖRGERÄT

Title (fr)  
ÉCOUTEUR POUR DISPOSITIF AUDITIF

Publication  
**EP 4297427 A1 20231227 (EN)**

Application  
**EP 22180375 A 20220622**

Priority  
EP 22180375 A 20220622

Abstract (en)  
The invention relates to an earpiece (10) for a hearing device, the earpiece (10) being configured to be at least partially inserted into an ear canal of a user, the earpiece (10) comprising:- a shell (11),- a receiver (15) configured to reproduce sound into the ear canal through a sound outlet port (16),- a flexible printed circuit board (12) facing an inner surface (32) of the shell (11), the flexible printed circuit board (12) comprising at least one sensor (13),- a support element (14) having an outer surface (34) shaped complementary to the inner surface (32) of the shell (11) near the medial end thereof, wherein the outer surface (34) of the support element (14) and/or the inner surface (32) of the shell (11) has a recess (18) configured to accommodate the printed circuit board (12) or a part thereof carrying the at least one sensor (13), wherein the shell (11) has one or more windows (31.1, 31.2) aligned with the one or more sensor (13) and/or components (13.1, 13.2) thereof on the flexible printed circuit board (12), wherein the support element (14) has a through-hole (19) with a seat (20) for the receiver (15).

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

CPC (source: EP)  
**H04R 1/1016** (2013.01); **H04R 25/609** (2019.05); **H04R 25/652** (2013.01); **H04R 2225/023** (2013.01); **H04R 2225/025** (2013.01)

Citation (applicant)  
EP 21187003 A 20210721

Citation (search report)  
• [XYI] US 2020085326 A1 20200319 - FRANSEN ALWIN [NL], et al  
• [Y] GB 1032548 A 19660608 - DAHLBERG ELECTRONICS  
• [A] US 3529102 A 19700915 - ROSENSTAND GERD  
• [XI] US 2021100508 A1 20210408 - VOS EEUWE JAN [NL], et al

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4297427 A1 20231227**

DOCDB simple family (application)  
**EP 22180375 A 20220622**