

Title (en)
AURAL AID

Title (de)
HÖRHILFE

Title (fr)
APPAREIL DE CORRECTION AUDITIVE

Publication
EP 1244333 A1 20020925 (EN)

Application
EP 01982806 A 20011116

Priority
• JP 0110010 W 20011116
• JP 2000356508 A 20001122

Abstract (en)
It is intended to provide a hearing aid adapted to primarily listen to a desired sound when a person suffering from some impairment in hearing ability makes conversation to others or in watching television. The hearing aid is constructed of: a main body portion provided with a microphone, an amplifier and a driving battery; and, a speaker portion constructed of a bone conduction speaker connected with the main body portion. In a preferable form of the bone conduction speaker: a yoke is provided with a central magnetic pole surrounded by a voice coil; the yoke extend in four directions to form extensions, a pair of diametrically opposing ones of which have each of magnets mounted on each of the pair. Each of the remaining pair of the extensions is provided an upright support portion for fixedly supporting a diaphragm; and, the diaphragm is fixedly mounted on the support portions. <IMAGE>

IPC 1-7
H04R 25/00; **H04R 25/02**

IPC 8 full level
A61F 11/00 (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP KR)
H04R 25/02 (2013.01 - KR); **H04R 25/04** (2013.01 - EP); **H04R 1/1091** (2013.01 - EP); **H04R 11/02** (2013.01 - EP);
H04R 2205/041 (2013.01 - EP); **H04R 2460/13** (2013.01 - EP)

Cited by
EP2930951A1; US9516432B2; US10798496B2; US11653157B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1244333 A1 20020925; **EP 1244333 A4 20060913**; **EP 1244333 B1 20081231**; AT E419726 T1 20090115; AU 1430102 A 20020603;
AU 784096 B2 20060202; CA 2398321 A1 20020530; CN 1197434 C 20050413; CN 1395811 A 20030205; DE 60137194 D1 20090212;
JP 2002165297 A 20020607; JP 3476764 B2 20031210; KR 100742979 B1 20070726; KR 20020070475 A 20020909; WO 0243436 A1 20020530

DOCDB simple family (application)
EP 01982806 A 20011116; AT 01982806 T 20011116; AU 1430102 A 20011116; CA 2398321 A 20011116; CN 01803995 A 20011116;
DE 60137194 T 20011116; JP 0110010 W 20011116; JP 2000356508 A 20001122; KR 20027008977 A 20020711