

Title (en)

CANAL HEARING DEVICE WITH TUBULAR INSERT

Title (de)

IM-KANAL-HÖRGERÄT MIT ROHRFÖRMIGEM EINSATZ

Title (fr)

DISPOSITIF AUDITIF INTRACANAL A INSERTION TUBULAIRE

Publication

EP 1535489 A1 20050601 (EN)

Application

EP 02807615 A 20020718

Priority

US 0221284 W 20020718

Abstract (en)

[origin: WO2004010734A1] A canal hearing device (100) with a dual acoustic seal system for preventing feedback while minimizing occlusion effects. The two-part device comprises a main module (110) and an elongated tubular insert (70) for conducting sound to the tympanic membrane and sealing within the bony region of the ear canal. The main module is positioned in the cartilaginous portion of the ear canal. The tubular insert comprises a sound conduction tube and a cylindrically hollow primary seal (80) medially positioned in the bony region. The device also comprises a secondary seal laterally positioned in the cartilaginous region.

IPC 1-7

H04R 25/00

IPC 8 full level

H04R 25/00 (2006.01); **H04R 25/02** (2006.01)

CPC (source: EP US)

H04R 25/456 (2013.01 - EP US); **H04R 25/656** (2013.01 - EP); **H04R 25/30** (2013.01 - EP); **H04R 25/60** (2013.01 - EP US); **H04R 25/603** (2019.04 - EP US); **H04R 25/609** (2019.04 - EP US); **H04R 25/654** (2013.01 - EP); **H04R 2225/023** (2013.01 - EP); **H04R 2460/11** (2013.01 - EP); **H04R 2460/15** (2013.01 - EP)

Cited by

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DOCDB simple family (publication)

WO 2004010734 A1 20040129; AU 2002368107 A1 20040209; EP 1535489 A1 20050601; EP 1535489 A4 20070124; JP 2005533453 A 20051104

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