

Title (en)
ELECTROPHYSIOLOGICAL MEASUREMENT METHOD AND SYSTEM FOR POSITIONING AN IMPLANTABLE, HEARING INSTRUMENT TRANSDUCER

Title (de)
VERFAHREN UND SYSTEM ZUR ELEKTROPHYSIOLOGISCHEN MESSUNG ZUR POSITIONIERUNG EINES IMPLANTIERBAREN HÖRGERÄTE-WANDLERS

Title (fr)
PROCEDE ET SYSTEME DE MESURE ELECTROPHYSIOLOGIQUE POUR LE POSITIONNEMENT D'UN TRANSDUCTEUR IMPLANTABLE DE PROTHESE AUDITIVE

Publication
EP 1829420 A2 20070905 (EN)

Application
EP 04813895 A 20041214

Priority
• US 2004041642 W 20041214
• US 1020804 A 20041211

Abstract (en)
[origin: WO2006062525A2] An electrophysiological measurement method and system is provided for positioning an implantable transducer of a hearing instrument relative to a middle ear component or inner ear of a patient. The method and system employ electrophysiological measurement signals obtained in response to test signals applied to an implanted transducer. In one embodiment, the electrophysiological measurements are obtained by an electrocochleography measurement device that measures the cochlear summing potential and/or action potential responsive to test signals applied to an implanted transducer. In another embodiment, an auditory brainstem response measurement device is utilized to obtain electrical potential measurement signals responsive to test signals applied to an implanted transducer.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
A61B 5/24 (2021.01 - EP US); **H04R 25/30** (2013.01 - EP); **H04R 25/606** (2013.01 - EP US); **A61B 5/076** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006062525 A2 20060615; WO 2006062525 A3 20060921; EP 1829420 A2 20070905; EP 1829420 A4 20091223

DOCDB simple family (application)
US 2004041642 W 20041214; EP 04813895 A 20041214