

Title (en)
IMPLANTABLE MICROPHONE FOR AN IMPLANTABLE EAR PROSTHESIS

Title (de)
IMPLANTIERBARES MIKROFON FÜR EINE IMPLANTIERBARE OHRPROTHESE

Title (fr)
MICROPHONE IMPLANTABLE POUR UNE PROTHÈSE D'OREILLE IMPLANTABLE

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Application
EP 16822184 A 20161223

Priority
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Abstract (en)
[origin: WO2017109200A1] The invention relates to an implantable microphone (100) for a middle ear prosthesis, comprising: means (301) for fixing to a fixation bone close to the middle ear of an individual; a cylindrical holding sheath (30), said sheath being designed to be fixed to the fixation bone by means of said fixation means (301) and having a suitable shape for extending from the fixation bone towards the ear ossicles of the individual; a coupler (60) comprising a rod (600) and an end piece (601, 602, 603, 604) of a suitable shape for bringing into contact with at least one point of the ear ossicles of the individual in a reversible manner; a sensor (50) for converting a mechanical signal into an electrical signal, said sensor being secured to the coupler (60), supported by the cylindrical holding sheath (30) and placed substantially in the extension of the axis of the cylinder (101); and means for translation (70) of said coupler along the axis of the cylinder (101), said means being housed in the cylindrical sheath (30).

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/606 (2013.01 - EP US); **H04R 2225/67** (2013.01 - EP US)

Citation (examination)
• US 2009124849 A1 20090514 - PERGOLA NICHOLAS [US]
• US 6537199 B1 20030325 - MUELLER GERD M [DE], et al
• US 2012078368 A1 20120329 - LENARZ THOMAS [DE], et al

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DOCDB simple family (publication)
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