

Title (en)

At least partially implantable hearing system with direct mechanical stimulation of a lymphatic space of the internal ear

Title (de)

Mindestens teilimplantierbares Hörsystem mit direkter mechanischer Stimulation eines lymphatischen Raums des Innenohres

Title (fr)

Système auditif au moins partiellement implantable avec stimulation mécanique d'un espace lymphatique de l'oreille interne

Publication

EP 1191815 B1 20110420 (DE)

Application

EP 01118050 A 20010725

Priority

DE 10046938 A 20000921

Abstract (en)

[origin: US6629923B2] An at least partially implantable sensor for rehabilitation of a hearing disorder having at least one acoustic sensor for picking up acoustic sensor signals and converting the acoustic sensor signals into corresponding electrical audio sensor signals; an electronic signal processing unit for audio signal processing and amplification of the electric sensor signals; an electrical power supply unit which supplies individual components of the system with energy, and an actuator output arrangement for direct mechanical stimulation of a lymphatic inner ear space, wherein the actuator output arrangement has an intracochlear electromechanical transducer.

IPC 8 full level

H04R 25/00 (2006.01); **A61F 11/04** (2006.01); **A61N 1/36** (2006.01)

CPC (source: EP US)

H04R 25/606 (2013.01 - EP US); **H04R 2217/01** (2013.01 - EP US)

Cited by

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EP 1191815 A2 20020327; **EP 1191815 A3 20091021**; **EP 1191815 B1 20110420**; AT E506814 T1 20110515; DE 10046938 A1 20020425; DE 50115855 D1 20110601; DK 1191815 T3 20110718; US 2002035309 A1 20020321; US 6629923 B2 20031007

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