

Title (en)

Implantable transducer for hearing systems and method for adjusting the frequency response of such a transducer

Title (de)

Implantierbarer Wandler für Hörsysteme und Verfahren zum Abstimmen des Frequenzganges eines solchen Wandlers

Title (fr)

Transducteur implantable pour des systèmes auditifs et procédé d'ajustement de la réponse en fréquence d'un tel transducteur

Publication

EP 1422971 B1 20121107 (DE)

Application

EP 02025939 A 20021120

Priority

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Abstract (en)

[origin: EP1422971A1] The transducer has a dynamic transducer part with a multifunctional connecting unit forming a connection relative to a static transducer part. The connecting unit has one function of forming a support for the dynamic transducer part and a hermetically sealed transducer housing (11). The unit has mechanical properties selected to achieve a set frequency response for the transducer. A permanent magnet arrangement vibrates in the direction of an axis of a ring coil arrangement. An Independent claim is also included for a method for tuning the frequency response of an implantable, electromagnetic hearing aid transducer.

IPC 8 full level

H04R 25/00 (2006.01); **H04R 11/00** (2006.01)

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