P210412SG-MD/NM/CSI

Magnetic Resonance power transfer with parallel series-parallel resonance circuit for the hearing instrument application

Abstract

The invention concerns a Magnetic Resonance (MR) power transfer with parallel series-parallel resonance circuit for a hearing instrument application. The invention is generally related to a hearing instrument and a charger for such a hearing instrument as well as a method for charging a hearing instrument with a charger. The invention also concerns the use of a particular circuit in a hearing instrument and/or charger for charging the hearing instrument with the charger. A method is described for charging a hearing device with a charger for said hearing device, wherein the charger wirelessly transfers power to the hearing instrument for charging using a transmitter module with a parallel series resonance circuit, wherein the hearing instrument wirelessly receives power for charging from the charger using a receiver module with a parallel resonance circuit.

Fig. 2