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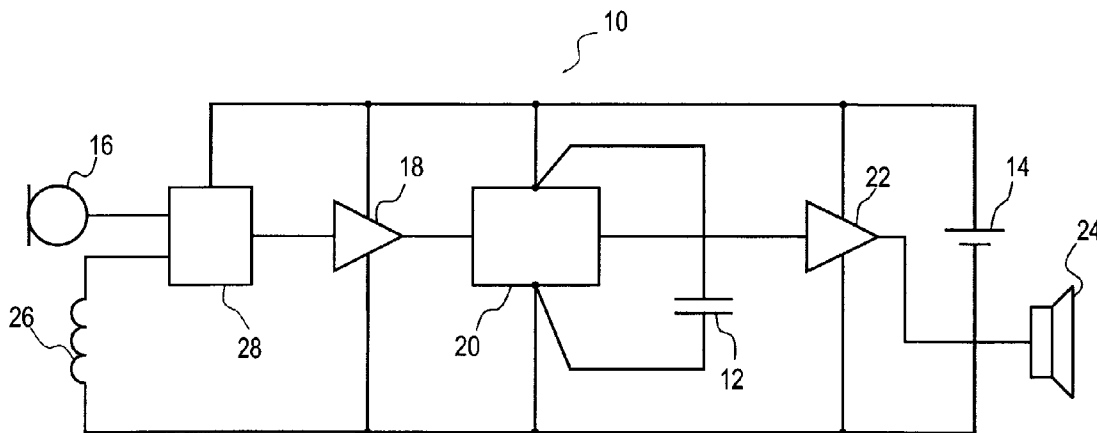
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(54) Title: HEARING AID AND A METHOD OF COMPENSATING MAGNETIC DISTORTION



(57) Abstract: A hearing aid has a capacitor (12) with a large capacitance coupled in parallel with the energy source (14) for transient current supply. The operating period of the battery is prolonged compared to prior art digital hearing aids. Further, the smaller variations in supply voltage lead to less distortion of the output signal of the hearing aid signal processor. In a hearing aid with a telecoil (26), a well defined current path for the current transients generating the high magnetic fields picked up by the telecoil is established. This facilitates the design of a compensating current path (31) capable of offsetting magnetic interference of the telecoil by the power supply loop, that is substantially independent of battery type and position.

WO 03/001844 A1