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(54) **Title:** RECEIVING DEVICE FOR RECEIVING A MAGNETIC FIELD AND FOR PRODUCING ELECTRIC ENERGY BY MAGNETIC INDUCTION

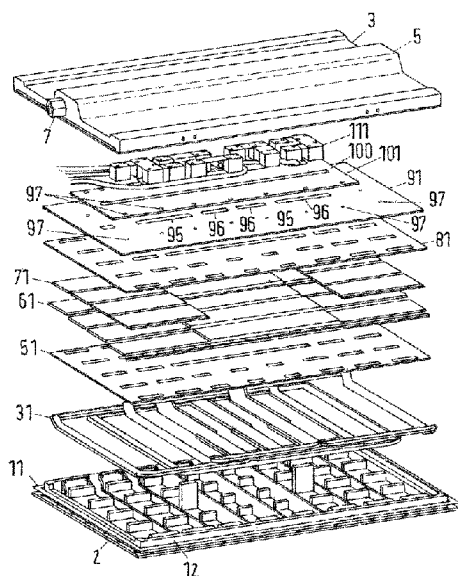


Fig.3

(57) **Abstract:** The invention relates to a receiving device (1) for receiving a magnetic field and for producing electric energy by magnetic induction, wherein - the receiving device (1) comprises at least one coil (33, 35, 37) of an electric line, wherein the magnetic field induces an electric voltage in the coil (33, 35, 37) during operation and wherein the coil (33, 35, 37) comprises an inductance, - the receiving device (1) and the coil (33, 35, 37) are adapted to receive the magnetic field from a receiving side, - the receiving device (1) comprises a case (2, 3) enclosing the at least one coil (33, 35, 37) and further components of the receiving device (1), - the receiving device (1) comprises at least one capacitor (115) having a capacitance, which capacitor (115) is electrically connected to the coil or to at least one of the coils (33, 35, 37) so as to form an electric circuit (111) having a resonance frequency according to the inductance(s) of the coil(s) (33, 35, 37) and to the capacitance(s) of the capacitor(s) (115), - the at least one capacitor (115) being arranged on a side opposite to the receiving side, in a protruding portion (5) of the case (2, 3).