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(54) **DEVICE DESIGNED TO GENERATE AN ELECTRICAL CURRENT IN A CONDUCTOR, METHOD FOR GENERATING AN ELECTRICAL CURRENT IN A CONDUCTOR, METHOD FOR REMOVING BIOFILM FROM A CONDUCTOR INSIDE A PATIENT, AND METHOD FOR TREATING AN INDIVIDUAL REQUIRING REMOVAL OF BIOFILM FROM A METAL PROSTHESIS IMPLANTED IN THEIR BODY**

(57) The present invention refers to a device and a method to generate an electric current in a conductor (15).

More specifically, the present invention refers to a device (10) that comprises a magnetic field generator element (11), a control element (12) and a support element (14), wherein the magnetic field generator element (11) and the control element (12) are electrically associ-

ated to each other, the magnetic field generator element (11) is set to generate a variable magnetic field (B), said variable magnetic field (B) comprises at least one variable parameter, the control element (12) is set to control the at least one variable parameter and the support element (14) is set to hold the magnetic field generator element (11) and the control element.

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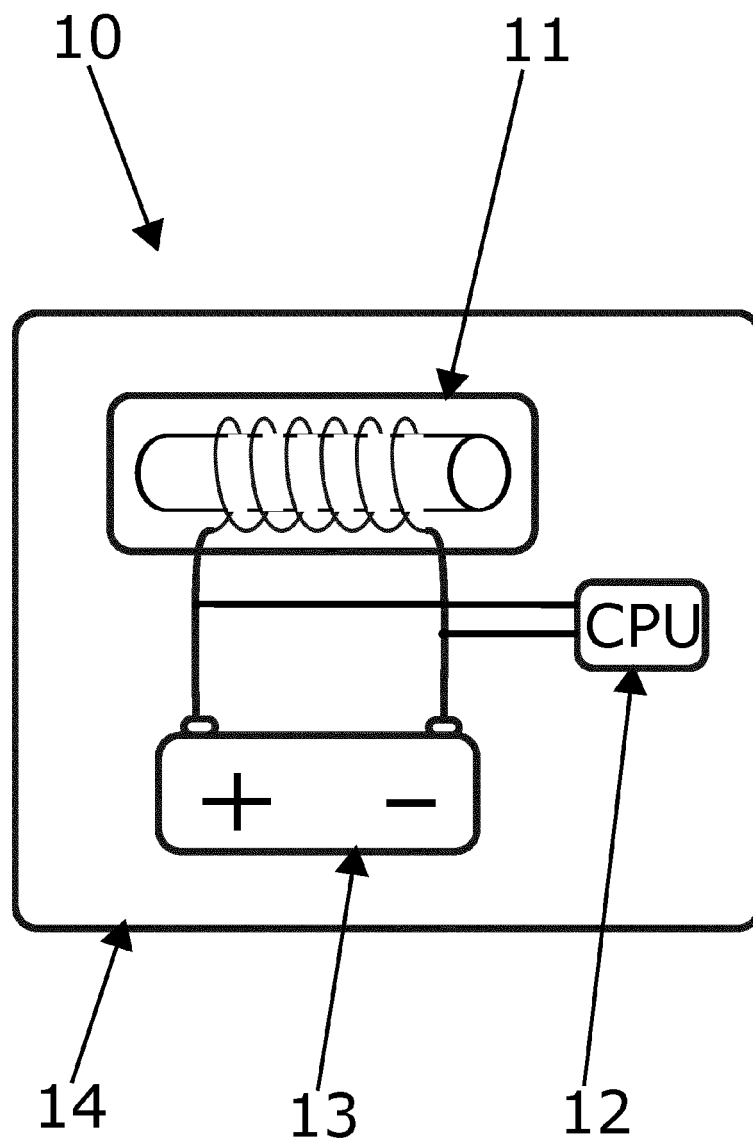


Fig. 1