

Title (en)
PLIABLE HEATING DEVICE

Title (de)
SCHMIEGSAMES WÄRMEGERÄT

Title (fr)
APPAREIL DE CHAUFFAGE FLEXIBLE

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Application
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Abstract (en)
[origin: WO2013135280A1] The invention relates to a pliable heating device having a flexible electrical heating apparatus (10) which is operated by means of a control apparatus and which has at least one flexible heating element (16) which is connected to a flexible support (15) and which has a heating conductor (Rhi), which is part of a heating circuit (100), and a flexible sensor conductor (Rho) which is separated from said heating conductor by means of an intermediate insulation means (ZW), having an oscillator (60) which is contained in the control apparatus, is connected to the sensor conductor (Rho) and can be attenuated and of which the output signal can be varied as a function of various functional states of the heating apparatus (10) which are detected by means of the sensor conductor (Rho), and having an evaluation device (301) by means of which fault states can be detected from the output signal. In order to reliably identify functional states, in particular fault states, provision is made for the sensor conductor (Rho) firstly to be connected to the heating conductor (Rhi) by means of an impedance arrangement which is connected in series with said sensor conductor and comprises at least a resistive sensor impedance (RS), a capacitive sensor impedance (CS) and/or an inductive sensor impedance (LS), and secondly is connected to the oscillator (60) by means of a resistive current-limiting impedance (R17).

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