

Title (en)  
DEVICE FOR HEATING UP A HEATING ELEMENT

Title (de)  
VORRICHTUNG ZUR ERWÄRMUNG EINES HEIZELEMENTS

Title (fr)  
DISPOSITIF POUR MONTER EN TEMPÉRATURE UN ÉLÉMENT CHAUFFANT

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Application  
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Abstract (en)  
[origin: WO2006131419A1] The invention relates to a device (2), in particular, for inductively heating up a heating element (4) by means of an inductor (10) and an element (14) for recording a reference quantity (F) which is dependent on the temperature (T<sub>H</sub>) of the heating element (4) and derived from the electric quantity of the inductor (10) in such a way that it makes it possible to form the reference value (F<sub>1</sub>, F<sub>2</sub>, F<sub>3</sub>) from the reference quantity (F) and to adjust the temperature (T<sub>H</sub>) according to the reference quantity (F) adjustment by means of the reference value (F<sub>1</sub>, F<sub>2</sub>, F<sub>3</sub>). The aim of said invention is to carry out a reliable adjustment of a water temperature (T<sub>W</sub>) or of a cooked product even at extreme conditions or when the reference value (F<sub>1</sub>, F<sub>2</sub>) is incorrect. For this purpose, the device (2) comprises a correction means (16) for correcting the reference value (F<sub>1</sub>, F<sub>2</sub>).

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