

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

Publication
EP 1897414 B1 20121010 (DE)

Application
EP 06754805 A 20060424

Priority
• EP 2006061778 W 20060424
• ES 200501471 A 20050608

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_H) 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 (F₁, F₂, F₃) from the reference quantity (F) and to adjust the temperature (T_H) according to the reference quantity (F) adjustment by means of the reference value (F₁, F₂, F₃). The aim of said invention is to carry out a reliable adjustment of a water temperature (T_W) or of a cooked product even at extreme conditions or when the reference value (F₁, F₂) is incorrect. For this purpose, the device (2) comprises a correction means (16) for correcting the reference value (F₁, F₂).

IPC 8 full level
H05B 6/06 (2006.01); **F24C 3/00** (2006.01); **H05B 3/74** (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP ES US)
H05B 6/06 (2013.01 - ES); **H05B 6/062** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006131419 A1 20061214; EP 1897414 A1 20080312; EP 1897414 B1 20121010; ES 2289872 A1 20080201; ES 2289872 B1 20080916; ES 2393201 T3 20121219; US 2009294437 A1 20091203

DOCDB simple family (application)
EP 2006061778 W 20060424; EP 06754805 A 20060424; ES 06754805 T 20060424; ES 200501471 A 20050608; US 92181406 A 20060424