

Title (en)

Method to generate, process and evaluate a temperature-correlated signal and corresponding device

Title (de)

Verfahren zum Erzeugen, Verarbeiten und Auswerten eines mit der Temperatur korrelierten Signals und entsprechende Vorrichtung

Title (fr)

Méthode pour générer, traiter et évaluer un signal en corrélation avec la température, et dispositif correspondant

Publication

EP 1768461 B1 20100630 (DE)

Application

EP 06019212 A 20060914

Priority

DE 102005045875 A 20050922

Abstract (en)

[origin: EP1768461A1] The method involves recording the temperature of an electrical cooking device, cookware (13) provided in the device and/or a cooking ware content by a temperature-sensor device (S). The temperature signal (T) recorded by the temperature-sensor device in a temporal process is once differentiated after a time. The result is inverted and the inverted result is exponentiated with exponential values between 0.5 and 1.0 to provide an initial value, which is further processed and evaluated. An independent claim is also included for a method for operating an electrical cooking device and hob under application of results of temperature evaluation.

IPC 8 full level

H05B 3/74 (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP)

H05B 3/746 (2013.01); **H05B 2213/07** (2013.01)

Cited by

CN112545296A; JP2010511274A; EP3890432A1; FR3108821A1; US8217321B2; DE102008014268A1; WO2008064898A1

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