Title (en)

METHOD FOR GENERATING PROCESSING AND ANALYSING A SIGNAL CORRELATED TO TEMPERATURE AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUM ERZEUGEN, VERARBEITEN UND AUSWERTEN EINES MIT DER TEMPERATUR KORRELIERTEN SIGNALS UND ENTSPRECHENDE VORRICHTUNG

Title (fr)

PROCÉDÉ DE PRODUCTION, DE TRAITEMENT ET D'ÉVALUATION D'UN SIGNAL EN CORRÉLATION AVEC LA TEMPÉRATURE, ET DISPOSITIF CORRESPONDANT

Publication

EP 2095684 A1 20090902 (DE)

Application

EP 07856308 A 20071130

Priority

- EP 2007010405 W 20071130
- DE 102006057885 A 20061201

Abstract (en)

[origin: US2009294433A1] According to the invention, an improved analysis method for temperature monitoring of a hotplate (11) as a cooker with a temperature sensor (S) may be achieved by means of differentiating once over time and inverting the electronically interrogated temperature signal (T). The result of the inversion is raised to the power of 2/3 to give an output value (A). This output value is used in further processing wherein, in the second processing, the output value is compared with stored values for an output value for defined events. The recording of the output value (A) occurs for a maximum time of up to 300 seconds after starting a cooking process, advantageously 60 to 120 seconds, and then said recording and analysis is terminated.

IPC 8 full level

H05B 3/68 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP US)

H05B 3/68 (2013.01 - EP US); **H05B 3/74** (2013.01 - EP US); H05B 2213/07 (2013.01 - EP US)

Citation (search report)

See references of WO 2008064898A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2009294433 A1 20091203; **US 8217321 B2 20120710**; AT E500709 T1 20110315; CN 101637062 A 20100127; CN 101637062 B 20120606; DE 102006057885 A1 20080605; DE 502007006628 D1 20110414; EP 2095684 A1 20090902; EP 2095684 B1 20110302; ES 2361373 T3 20110616; JP 2010511274 A 20100408; PL 2095684 T3 20110729; WO 2008064898 A1 20080605; WO 2008064898 A8 20081211

DOCDB simple family (application)

US 47386809 A 20090528; AT 07856308 T 20071130; CN 200780044411 A 20071130; DE 102006057885 A 20061201; DE 502007006628 T 20071130; EP 07856308 A 20071130; EP 2007010405 W 20071130; ES 07856308 T 20071130; JP 2009538643 A 20071130; PL 07856308 T 20071130