

Title (en)

Method and device of thermal monitoring of inductive heatable cooking vessel

Title (de)

Verfahren und Vorrichtung zur thermischen Überwachung eines induktiv erwärmbaren Gargefäßes

Title (fr)

Procédé et dispositif de surveillance thermique d'un ustensile de cuisson chauffable inductivement

Publication

EP 2271175 A3 20110119 (DE)

Application

EP 10178369 A 20031024

Priority

- EP 03024314 A 20031024
- DE 10253198 A 20021115

Abstract (en)

[origin: EP1420613A2] The method involves monitoring the frequency of the alternating current for the inductive heating, which is affected by the cooking vessel. The monitoring technique involves detecting qualitative or step changes in the temperature-time profile by monitoring qualitative or step changes in the frequency-time profile and/or changes in the first derivative of the frequency-time profile. Independent claims are also included for the following: (a) arrangement for thermal monitoring of an inductively heated cooking vessel (b) and a cooking device with at least one inventive device for thermal monitoring of an inductively heated cooking vessel.

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP)

H05B 6/062 (2013.01); **H05B 2213/07** (2013.01)

Citation (search report)

- [Y] US 3781506 A 19731225 - KETCHUM M, et al
- [Y] US 5477035 A 19951219 - MATSUMOTO ISAO [JP], et al
- [Y] EP 0806887 A1 19971112 - AEG HAUSGERAETE GMBH [DE]
- [Y] DE 10122427 A1 20021114 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] DE 19906115 C1 20000831 - SCHOTT GLAS [DE]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1420613 A2 20040519; EP 1420613 A3 20060322; EP 1420613 B1 20160713; DE 10253198 A1 20040624; DE 10253198 B4 20070705; DE 10262141 B4 20091015; DK 2271175 T3 20130402; EP 2271175 A2 20110105; EP 2271175 A3 20110119; EP 2271175 B1 20121226; ES 2401740 T3 20130424

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