

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 1420613 A3 20060322 (DE)

Application

EP 03024314 A 20031024

Priority

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)

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- [A] US 6469282 B1 20021022 - ROBERTS VICTOR D [US]
- [A] DE 10122427 A1 20021114 - BSH BOSCH SIEMENS HAUSGERÄTE [DE]
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DOCDB simple family (publication)

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EP 03024314 A 20031024; DE 10253198 A 20021115; DE 10262141 A 20021115; DK 10178369 T 20031024; EP 10178369 A 20031024; ES 10178369 T 20031024