

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 A2 20110105 (DE)

Application

EP 10178369 A 20031024

Priority

- EP 03024314 A 20031024
- DE 10253198 A 20021115

Abstract (en)

The method involves monitoring qualitative and/or rapid changes of temperature-time curve, frequency-time curve and/or absolute values of derivative of the frequency-time curve for a cooking vessel. Temperature of the cooking vessel is monitored by assigning predetermined frequencies and/or frequency ratios to predetermined temperatures. Inductive heatable cooking vessel is thermally monitored by monitoring frequency, which influences cooking vessel, of alternating current that effects inductive heating. An independent claim is also included for a device for thermal monitoring of inductive heatable cooking vessel.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur thermischen Überwachung eines induktiv erwärmbaren Gargefäßes durch Überwachung der vom Gargefäß beeinflussten Frequenz (f) des die induktive Erwärmung bewirkenden Wechselstroms (I). Darüber hinaus betrifft die Erfindung eine entsprechende Vorrichtung.

IPC 8 full level

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CPC (source: EP)

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