

Title (en)

HOB ALLOWING THE TEMPERATURE OF A CULINARY ARTICLE TO BE DETECTED

Title (de)

KOCHFELD MIT ERFASSUNG DER TEMPERATUR EINES KÜCHENARTIKELS

Title (fr)

PLAQUE DE CUISSON PERMETTANT LA DÉTECTION DE LA TEMPÉRATURE D'UN ARTICLE CULINAIRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008003872A2] The invention relates to a hob (200) suitable for receiving a culinary article (100) and including a measurement system (203) which comprises means (220) for measuring the temperature of the article (100) and control means (240). According to the invention the measuring means (220) comprise an electrical circuit (219) possessing at least one inductive element (221) configured so as to induce a magnetic field on the article (100) which includes electrically conductive heat-sensitive means (130) that transmit a signal to the control means (240), the value of said signal being representative of the impedance (Z) of the circuit (119), the impedance being dependent on the resistivity (ρ) of the heat-sensitive means (130), and the control means (240) including at least one model corresponding to the thermal behaviour of this resistivity (P) and being configured so as to convert the value of the transmitted signal into a temperature.

IPC 8 full level

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