

Title (en)
COOKING SURFACE COMPRISING A TEMPERATURE SENSOR

Title (de)
KOCHFELD MIT TEMPERATURFÜHLER

Title (fr)
SURFACE DE CUISSON AVEC CAPTEUR DE TEMPERATURE

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EP 01905751 A 20010208

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Abstract (en)
[origin: WO0162048A1] The invention relates to a cooking surface comprising a cooking surface plate (3), especially made of a glass-ceramic material, under which at least one heating element (5) is arranged and which is provided for heating a cooking vessel that can be placed upon the cooking surface plate. The inventive cooking surface also comprises a temperature sensor (29) for measuring the temperature of the cooking surface plate. Inside the heating element, said temperature sensor senses the temperature of the underside of the cooking surface plate and is shielded by an insulation material (21) against the heat radiation of a heating means (15) of the heating element (5). The temperature sensor is connected to a control unit (101) for controlling the heat output of the heating element. The aim of the invention is to be able to provide a good level of measuring accuracy. To this end, the temperature sensor (29) is placed in thermal contact with the underside of the cooking surface plate (3) via a thermoconductive element (25; 75; 85), and the element (25; 75; 85) and the temperature sensor (29) are shielded by an insulation material (21) against the heat radiation of the heating means (15).

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