

Title (en)

HOB APPARATUS

Title (de)

KOCHFELDVORRICHTUNG

Title (fr)

DISPOSITIF DE TABLE DE CUISSON

Publication

**EP 4183226 A1 20230524 (DE)**

Application

**EP 21743077 A 20210706**

Priority

- EP 20382652 A 20200717
- EP 2021068641 W 20210706

Abstract (en)

[origin: WO2022013008A1] The invention relates to a hob apparatus (10a; 10b; 10c), in particular an induction hob apparatus, having: at least one heating unit (12a; 12b); at least one sensor unit (14a; 14b; 14c), which is separate from the heating unit (12a; 12b), has at least one electric resonant circuit (16a) and is provided for detecting at least one sensor signal (18a; 18c); and a control unit (20a; 20c), which is provided for controlling the sensor unit (14a; 14b; 14c) and analysing the sensor signal (18a; 18c). In order to provide a hob apparatus with improved user comfort properties, according to the invention the control unit (20a; 20c) determines, in an operating state, at least one state variable (22a; 22c) relating to the heating unit (12a; 12b) on the basis of a phase shift (24a; 24c) and/or an amplitude ratio between the sensor signal (18a; 18c) and one further signal.

IPC 8 full level

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CPC (source: EP US)

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