

Title (en)  
INDUCTION HOB DEVICE

Title (de)  
INDUKTIONSKOCHFELDVORRICHTUNG

Title (fr)  
ENSEMBLE PLAQUE DE CUISSON À INDUCTION

Publication  
**EP 4335250 A1 20240313 (DE)**

Application  
**EP 22725850 A 20220427**

Priority  
• EP 21382395 A 20210503  
• EP 2022061148 W 20220427

Abstract (en)  
[origin: WO2022233661A1] The invention relates to an induction hob device (10) having - at least one sensor unit (12) which is provided for identifying at least one state variable (16) relating to a heating unit (14) and which has an electrical resonant circuit (18) for detecting at least one sensor signal (20), and - a control unit (22) which is provided to determine the state variable (16) on the basis of at least one relative variable (24, 26) between the sensor signal (20) and a reference signal (28). In order to improve usability, according to the invention, the sensor unit (12) has a lock-in amplifier circuit (30) which is provided to modify the sensor signal (20) and/or the reference signal (28) in order to detect the relative variable (24, 26).

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**H05B 6/062** (2013.01); **H05B 2213/03** (2013.01); **H05B 2213/05** (2013.01)

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See references of WO 2022233661A1

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