

Title (en)

DEVICE FOR DETECTING A VESSEL PUT IN THE HEATING ZONE OF A COOKING OR HEATING APPARATUS

Publication

**EP 0442275 A3 19920708 (DE)**

Application

**EP 91100507 A 19910117**

Priority

DE 4004129 A 19900210

Abstract (en)

[origin: EP0442275A2] The pot detection system operates with an inductive sensor (22) which is arranged close to the heated region of the cooking apparatus (11). The sensor signals are evaluated as a function of the signal rate of change in order to compensate for the poor coil quality of the high-temperature-resistant coils. The evaluation takes place digitally with frequency counting, and a bridging device (50) is provided in order to be able to use the apparatus even without pot detection. <IMAGE>

IPC 1-7

**H05B 3/74**; **H05B 3/68**

IPC 8 full level

**A47J 27/00** (2006.01); **H05B 3/00** (2006.01); **H05B 3/68** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP US)

**H05B 3/746** (2013.01 - EP US); **H05B 2213/05** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

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**EP 91100507 A 19910117**; AT 91100507 T 19910117; DE 4004129 A 19900210; DE 59105341 T 19910117; ES 91100507 T 19910117; JP 10218791 A 19910207; US 65048991 A 19910205