

Title (en)

System for detecting the presence of a cooking utensil on a cooking hob

Title (de)

Vorrichtung zur Detektierung eines Kochgefäßes auf einer Kochplatte

Title (fr)

Dispositif pour détecter la présence d'un récipient de cuisson sur une plaque de cuisson

Publication

**EP 1542507 A1 20050615 (EN)**

Application

**EP 03028039 A 20031208**

Priority

EP 03028039 A 20031208

Abstract (en)

A system for detecting the presence of a cooking utensil on a cooking hob comprises an array of heating elements and electronic sensors whose impedance changes due to the presence of said cooking utensil on the hob. The system further comprises an electronic circuit adapted to drive the alloy of the heating elements towards magnetic saturation. <IMAGE>

IPC 1-7

**H05B 6/06**; **H05B 1/02**

IPC 8 full level

**H05B 3/74** (2006.01)

CPC (source: EP)

**H05B 3/746** (2013.01); **H05B 2213/05** (2013.01)

Citation (search report)

- [X] US 2001019262 A1 20010906 - WOOLSEY KEVIN [US], et al
- [X] US 6424145 B1 20020723 - WOOLSEY KEVIN [US], et al
- [A] EP 0538037 A2 19930421 - ELDEC CORP [US]
- [DA] EP 0553425 A1 19930804 - WHIRLPOOL EUROP [NL]
- [DA] EP 0849976 A2 19980624 - CERAMASPEED LTD [GB]

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 1542507 A1 20050615**; **EP 1542507 B1 20070214**; DE 60311835 D1 20070329; DE 60311835 T2 20070712; ES 2280679 T3 20070916

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