

Title (en)

Sensor arrangement for cookware detection

Title (de)

Sensoranordnung für Kochgeschirrdetektion

Title (fr)

Agencement de capteur pour la détection d'un appareil de cuisson

Publication

EP 2194754 A1 20100609 (EN)

Application

EP 08021142 A 20081205

Priority

EP 08021142 A 20081205

Abstract (en)

Sensor arrangement (1) for determining the presence/absence and/or position of a metal containing cookware (9) with a heating element (8) of a cooking appliance (7), comprising metal sensitive first (2) and second sensors (3) designed for respectively generating first and second sensor signals and being positioned offset relative to each other, and a circuitry (6) designed for obtaining a differential signal value of the first and second sensor signals.

IPC 8 full level

H05B 3/74 (2006.01)

CPC (source: EP)

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

Citation (applicant)

- EP 0374868 A1 19900627 - KLASCHKA IND ELEKTRONIK [DE]
- EP 0883327 B1 20040908 - DIEHL AKO STIFTUNG GMBH & CO [DE]
- GB 2335551 A 19990922 - SANTIS DANILO DE [ES], et al
- US 6259069 B1 20010710 - SCHOTTEN HENNO [DE], et al
- DE 10042775 A1 20020314 - DIEHL AKO STIFTUNG GMBH & CO [DE]
- DE 60028485 T2 20061214 - CHERRY GMBH [DE]
- DE 60119016 T2 20070510 - EIKA S COOP [ES]

Citation (search report)

- [X] DE 102006043182 A1 20070419 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [X] GB 2055030 A 19810218 - MATSUSHITA ELECTRIC IND CO LTD
- [XY] EP 1229301 A1 20020807 - TEXAS INSTRUMENTS INC [US]
- [Y] US 6242721 B1 20010605 - BORRMANN ANDREAS [DE], et al
- [Y] EP 1087641 A2 20010328 - CHERRY GMBH [DE]
- [A] WO 9851128 A1 19981112 - EUROP EQUIP MENAGER [FR], et al

Cited by

US2021337635A1; EP3799527A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2194754 A1 20100609

DOCDB simple family (application)

EP 08021142 A 20081205