

Title (en)  
COOKING PAN DETECTION METHOD AND GAS HOB

Title (de)  
VERFAHREN ZUR TOPFERKENNUNG UND GASKOCHFELD

Title (fr)  
PROCEDE DE RECONNAISSANCE DE CASSEROLE ET PLAQUE DE CUISSON

Publication  
**EP 2998654 B1 20190220 (DE)**

Application  
**EP 15183732 A 20150903**

Priority  
DE 102014218741 A 20140918

Abstract (en)  
[origin: US2016084506A1] In the case of a method of pot detection at a gas cooking point with a gas burner, a thermocouple is fitted at the gas cooking point for flame sensing, to be precise in such a way that with every output of the gas burner possible for a sustained period it is impinged by the flame. In order to detect whether a pot has been placed onto the gas cooking point while the gas burner is in operation or whether the pot has been taken away, the thermoelectric voltage is tapped at the sensing means and evaluated by a comparison of the signal at the time with the signal in the case where a pot has been placed on. A different flame prevails at the thermocouple when a pot has been placed on than when the pot has been taken away, and the temperature is different. The output at the gas cooking point is reduced as a reaction to detection of the taking away of the pot.

IPC 8 full level  
**F24C 3/12** (2006.01)

CPC (source: EP US)  
**F24C 3/126** (2013.01 - EP US)

Cited by  
EP3147566B1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2998654 A1 20160323; EP 2998654 B1 20190220**; DE 102014218741 A1 20160324; ES 2723398 T3 20190827; TR 201906445 T4 20190521; US 2016084506 A1 20160324; US 9909763 B2 20180306

DOCDB simple family (application)  
**EP 15183732 A 20150903**; DE 102014218741 A 20140918; ES 15183732 T 20150903; TR 201906445 T 20150903; US 201514842371 A 20150901