

Title (en)  
SAFETY KNOB FOR GAS COOKTOPS

Title (de)  
SICHERHEITSKNOPF FÜR GASKOCHHERDE

Title (fr)  
BOUTON DE SÉCURITÉ POUR SURFACES DE CUISSON À GAZ

Publication  
**EP 4150258 A4 20240214 (EN)**

Application  
**EP 21821592 A 20210613**

Priority  
• IN 2021050575 W 20210613  
• IN 202041024938 A 20200613

Abstract (en)  
[origin: WO2021250706A1] The present disclosure is directed to safety knobs for gas cooktops which senses the absence of flame on the burner (42) and gets switched "Off" automatically to cut-off the gas supply to the burner (42). The design of this "Safety Knob" is such that it can be retrofitted to any Gas Cooktops by simply removing the normal knob and fitting the "Safety Knob" to the Gas Cooktop. A full assembly of safety knob comprising of wheel, circular spring, lever assembly, knob, thermocouple with solenoid attached to gas cooktop is presented in present disclosure that achieves safe operation on gas cooktop.

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

CPC (source: EP US)  
**F23N 5/247** (2013.01 - US); **F24C 3/126** (2013.01 - EP US)

Citation (search report)  
• [I] CN 2413198 Y 20010103 - LU ZHANPING [CN]  
• [A] CN 206890595 U 20180116 - XIANGSHAN YUEPENG ELECTRONIC TECH CO LTD  
• [A] GB 2281117 A 19950222 - ITALORA SPA [IT]  
• [A] CN 1396410 A 20030212 - LI YISONG [CN]  
• [A] JP 6066972 B2 20170125  
• See also references of WO 2021250706A1

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)  
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US 2023243509 A1 20230803

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