

Title (en)

SAFETY DEVICE PREVENTING INCIDENTAL ROTATION OF THE CONTROL KNOBS IN ELECTRIC OR GAS OPERATED COOKING APPLIANCES

Publication

EP 0283449 B1 19910828 (EN)

Application

EP 88830109 A 19880318

Priority

IT 1978687 A 19870320

Abstract (en)

[origin: EP0283449A1] A safety device is described to prevent incidental opening of the control knobs in electric or gas-kitchens, hobs or ovens. This safety device is actuated when the top cover is lowered to a position of closure as each control knob to be locked at an "OFF" position is integrally formed with a shaped cam coincident, at this position, with an opening in a sliding plate which is movable along a first direction upon rotation of at least one knob to the "ON" direction. A spring biases said slider to the opposed direction when all the knobs are "OFF", there being also provided, integrally with the cover, means cooperating, when the latter is lowered, with a means for preventing said movement of the slider which is thus locked at the position corresponding to all the knobs being "OFF". Otherwise an "ON" position of at least one knob shifts the slider so as to impede the complete lowering of the cover, through said integral means. There may also be provided visual safety means such as light signals associated with the position of said slider or actual locks either to keep the cover lowered or the slider at the position corresponding to all the knobs being "OFF".

IPC 1-7

F24C 3/12

IPC 8 full level

F24C 3/12 (2006.01)

CPC (source: EP)

F24C 3/126 (2013.01)

Cited by

DE4331551B4; ES2587457A1; US11788730B2

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0283449 A1 19880921; EP 0283449 B1 19910828; DE 3864429 D1 19911002; ES 2025330 B3 19920316; IT 1215391 B 19900208; IT 8719786 A0 19870320

DOCDB simple family (application)

EP 88830109 A 19880318; DE 3864429 T 19880318; ES 88830109 T 19880318; IT 1978687 A 19870320