

Title (en)

Improved closure device for ovens and the like

Title (de)

Verbesserte Verschlussvorrichtung für Öfen und Ähnliches

Title (fr)

Dispositif de fermeture amélioré pour fours et similaires

Publication

**EP 1970512 A2 20080917 (EN)**

Application

**EP 08101950 A 20080225**

Priority

IT MI20070082 U 20070312

Abstract (en)

A closure device for ovens or the like comprises a handle (2) associated with a handle support (3) fixed to the oven door (4) located on an opening in the oven, said support (3) being internally hollow (at 8) and carrying movable coupling means (27) to cooperate with a coupling pin (29) having an enlarged head (50) and fixed to the oven structure (30) in proximity to said opening, said cooperation resulting in the closure of the door (4) onto the oven structure (31) and its retention in a closed state on said opening. The movable coupling means are opposing elements (27) movable in the manner of hinges within the handle support and elastically loaded such that they withdraw from each other on closing the door (4) onto the structure (31) by the action of the head (50) of the coupling pin (20) and to close together onto said head (50) and tighten against it to maintain the oven door (4) closed onto the oven opening, said elements (27) rotating with the rotation of the handle (2) on the door (4) to enable them to separate from said head (50) of the coupling pin (29) and allow the door to open.

IPC 8 full level

**E05C 3/34** (2006.01); **E05C 5/00** (2006.01)

CPC (source: EP)

**E05C 3/34** (2013.01); **E05C 5/00** (2013.01); **F24C 15/022** (2013.01)

Citation (applicant)

EP 1111175 A1 20010627 - RAHRBACH GMBH [DE]

Cited by

DE102009014233A1; GB2584118A; GB2584118B

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 1970512 A2 20080917**; **EP 1970512 A3 20110622**; **EP 1970512 B1 20120627**; IT MI20070082 U1 20080913

DOCDB simple family (application)

**EP 08101950 A 20080225**; IT MI20070082 U 20070312