

Title (en)  
HINGE AND COUNTER BALANCE SYSTEM FOR A RANGE OVEN DOOR

Publication  
**EP 0149937 B1 19880504 (FR)**

Application  
**EP 84402611 A 19841214**

Priority  
FR 8320575 A 19831222

Abstract (en)  
[origin: EP0149937A1] 1. A door (20) for a cookstove (10) comprising an upper crosspiece (21) and a lower crosspiece (22) connected by two lateral uprights (23) and at least one hinge and balancing means (30) which is made up of at least one returning means (36) placed in one lateral upright and whose extremity is secured in place at the same level as the upper crosspiece, characterized in that the hinge and balancing means comprises a hinge support (31), a connecting link (34) whose one end articulates with the hinge support and whose other end is guided in translation by a roller (37) in the interior of the lateral upright, the link and the roller being connected at both ends of a shaft (35) moving in a groove (25) in the lateral upright, a cover plate (41) for the groove moving in the lateral upright so as to be entrained by the shaft of the roller and entraining the moving end of the returning means.

IPC 1-7  
**F24C 15/02**

IPC 8 full level  
**F24C 15/02** (2006.01)

CPC (source: EP)  
**E05F 1/1075** (2013.01); **E05F 1/1276** (2013.01); **F24C 15/023** (2013.01); **E05Y 2900/308** (2013.01)

Cited by  
DE3933719A1; US7243396B2; EP0810342A1; EP0452288A1; EP2119969A3; EP2905543A1; US8443489B2; US9080365B2; US9316036B2; US10458167B2; US11499720B2; US11988390B1

Designated contracting state (EPC)  
BE CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0149937 A1 19850731; EP 0149937 B1 19880504**; DE 3470940 D1 19880609; ES 294893 U 19861016; ES 294893 Y 19870701; FR 2557273 A1 19850628; FR 2557273 B1 19860411

DOCDB simple family (application)  
**EP 84402611 A 19841214**; DE 3470940 T 19841214; ES 294893 U 19841221; FR 8320575 A 19831222