

Title (en)

A door-locking device with emergency release, particularly for domestic appliances

Title (de)

Türverschlussvorrichtung mit Notentriegelung, insbesondere für Haushaltsgeräte

Title (fr)

Dispositif de verrouillage de porte avec relâchement d'urgence, particulièrement pour des appareils domestiques

Publication

EP 1972714 B1 20160511 (EN)

Application

EP 08152750 A 20080314

Priority

IT TO20070203 A 20070319

Abstract (en)

[origin: EP1972714A1] The device (1) comprises: a support housing (2) with an opening (5) for the introduction of a hook member (A) connected to the door (P) of a domestic appliance, a restraining member or slider (6) mounted so as to be movable relative to the housing (2) between a rest position in which it allows the hook member to be introduced into the opening (5) and a working position in which it can restrain the hook member (A) introduced into the opening (5), a locking member (11) which is movable in the support housing (2) between a release position and an engagement position in which it can permit and prevent the movement of the restraining member (11) from the working position to the rest position, respectively, and an emergency release device (6a; 12) which can be operated to force the locking member (11) to move from the position of engagement of the restraining member or slider (6) to the release position thereof. The emergency release means comprise: a flexible, integral appendage (6a) of the restraining member or slider (6) which, when the slider (6) is in the working position and the locking member (11) is in the engagement position, can adopt an inactive condition in which it does not interfere with the locking member (11) and an active condition in which it interferes with the locking member (11) so as to bring about its return to the release position, and an operating lever (12) which is integral with at least a portion (3) of the support housing (2) and which can be operated in order to bring about the movement of the appendage (6a) of the restraining member or slider (6) from the inactive condition to the active condition.

IPC 8 full level

D06F 37/28 (2006.01); **E05C 19/06** (2006.01)

CPC (source: EP US)

E05B 47/0603 (2013.01 - EP US)

Cited by

CN103228856A; US10385586B2; EP2278057A1; EP2253783A1; ITRM20090244A1; US9926728B2

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