

Title (en)

A door lock device, particularly for domestic electrical appliances

Title (de)

Türverriegelungsvorrichtung, insbesondere für ein elektrisches Haushaltsgerät

Title (fr)

Dispositif de verrouillage d'une porte, particulièrement pour des appareils électroménagers

Publication

**EP 1433893 B1 20091209 (EN)**

Application

**EP 03029559 A 20031222**

Priority

IT TO20021112 A 20021223

Abstract (en)

[origin: EP1433893A2] The device comprises: a support structure (2) in which is defined an aperture (3) for the introduction in a predetermined direction of a door catch (4) connected to a door; a retainer member (10) movably mounted in the said structure (2) and having a seat (10) for receiving and retaining the door catch (4); a conditioning mechanism (11-13, 18, 25, 33) cooperating with the retainer member (10) and operable to assume a first condition in which it allows engagement of the door catch (4) with the retainer member (10) to retain the door in a closure position, and release of this coupling to allow opening of this door by application of a force on it; and a second condition in which the retainer member (10) is maintained in a locked position in which it is able to retain the door in a locked closure position; and a motorised control device (14-17) associated with the conditioning mechanism and electrically operable to cause passage of this mechanism from the first to the second condition and vice versa. <IMAGE>

IPC 8 full level

**D06F 37/42** (2006.01); **D06F 39/14** (2006.01); **E05B 47/00** (2006.01); **E05B 47/06** (2006.01); **E05C 3/24** (2006.01); **D06F 34/20** (2020.01); **E05B 63/00** (2006.01)

CPC (source: EP US)

**D06F 37/42** (2013.01 - EP US); **D06F 39/14** (2013.01 - EP US); **E05B 47/0012** (2013.01 - EP US); **D06F 34/20** (2020.02 - EP US); **E05B 47/0009** (2013.01 - EP); **E05B 63/0069** (2013.01 - EP); **E05B 2047/002** (2013.01 - EP); **E05B 2047/0024** (2013.01 - EP); **E05B 2047/0067** (2013.01 - EP); **E05C 3/24** (2013.01 - EP)

Cited by

CN111021837A; IT201800004000A1; CN112272719A; CN114108256A; IT201700099948A1; CN111386374A; EP4155486A4; EP4159963A4; IT201800004012A1; CN112272718A; US2015035295A1; US10858859B2; ITPD20130043A1; EP2770140A1; DE102012013703A1; DE102012013703B4; GB2527735A; GB2527735B; US2021278090A1; US7731806B2; US8991877B2; WO2019190975A1; WO2006063684A1; WO2019049057A1; WO2008096222A3; WO2015187223A1; US10914026B2; WO2019190976A1

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