

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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