

Title (en)

Locking and unlocking device for a door of a electrical domestic appliance

Title (de)

Verriegelungs- und Entriegelungsvorrichtung für die Tür eines elektrischen Haushaltsgerätes

Title (fr)

Dispositif de verrouillage et de déverrouillage pour la porte d'un appareil électroménager

Publication

EP 1502985 A3 20100428 (DE)

Application

EP 04008951 A 20040415

Priority

DE 10334641 A 20030728

Abstract (en)

[origin: DE10334641B3] The locking and unlocking device (1) has a sliding member (6) in its housing (2) to grip the door. It has a locking aperture (9) and a longitudinal slit (8). A locking mechanism (5) with a cam (14) and a ratchet wheel (15). There are electrical contacts (32,34) and an actuator (16) with a coil (18) in a U-shaped frame (17). A magnetic core (19) fits inside the coil.

IPC 8 full level

D06F 37/42 (2006.01); **D06F 39/14** (2006.01); **H01H 3/02** (2006.01); **H01H 3/04** (2006.01); **H01H 9/22** (2006.01)

CPC (source: EP US)

D06F 37/42 (2013.01 - EP US); **D06F 39/14** (2013.01 - EP US); **H01H 3/02** (2013.01 - EP); **H01H 3/04** (2013.01 - EP); **H01H 9/226** (2013.01 - EP)

Citation (search report)

- [AD] DE 19961083 A1 20000621 - BITRON SPA [IT]
- [A] DE 1938908 A1 19710211 - LICENTIA GMBH
- [A] DE 19915669 A1 20001012 - LTD LOCKING TECHNOLOGIES AND D [DE]
- [A] DE 10131636 A1 20020110 - BITRON SPA [IT]
- [A] DE 3722758 C1 19881027 - GOLD STAR CO

Cited by

CN107799335A; CN113693375A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

DE 10334641 B3 20040826; DE 202004005895 U1 20040819; EP 1502985 A2 20050202; EP 1502985 A3 20100428

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