

Title (en)
A device for locking and unlocking the door of an electric household appliance

Title (de)
Türschlossvorrichtung für ein elektrisches Haushaltsgerät

Title (fr)
Dispositif de verrouillage pour des appareils électroménagers

Publication
EP 1467048 B1 20080917 (EN)

Application
EP 04008426 A 20040407

Priority
IT TO20030273 A 20030409

Abstract (en)
[origin: EP1467048A1] 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), retaining and locking devices (6, 11, 21-34) comprising: a retaining member (6) which is movable between a rest position in which it allows the hook member (A) to be introduced into the opening (5) and a working position in which it can restrain the hook member (A) which has been introduced into the opening (5), a locking member (11) which is movable between release and engagement positions in which it allows and prevents the movement of the retaining member (6) from the working position to the rest position, respectively, and control devices (21 to 34) which can control the position of the locking member (11), and a switch (12) including a first electrical contact and a second electrical contact (13, 17). The first electrical contact (13) is carried by a first flexible plate (14) made of electrically-conductive material, mounted in the housing (2) and connected to the locking member (11). <??>The second contact (17) is movable between an operative position and an inoperative position in which it can be reached and cannot be reached by the first contact (13), respectively, and is connected to the retaining and locking devices (6, 11, 21-34) in a manner such that it can adopt the operative position solely when the locking member (11) is restrained in its working position, and can be arranged in the inoperative position when the retaining member (6) returns to the rest position. <IMAGE> <IMAGE>

IPC 8 full level
E05B 47/00 (2006.01); **D06F 37/42** (2006.01); **D06F 39/14** (2006.01)

CPC (source: EP US)
D06F 37/42 (2013.01 - EP US); **D06F 39/14** (2013.01 - EP US); **E05B 47/0009** (2013.01 - EP US)

Cited by
EP1936018A1; EP2397626A1; WO2010000626A1; CN102191894A; EP1988207A3; ITTO20100528A1; EP2537973A1; ITTO20110557A1; EP1808558A3; EA020702B1; ITTO20120469A1; DE112013001248B4; EP2537974A1; ITTO20110556A1; EP1621658A3; US2014132013A1; US9605371B2; EP2075365A1; EP1972714A1; WO2013181289A1; US9127482B2; US9217217B2

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