Title (en)

A door-lock, particularly for household appliances

Title (de)

Türschloss, insbesondere für Haushaltsgeräte

Title (fr)

Serrure de porte, notamment pour appareils ménagers

Publication

EP 1304436 A2 20030423 (EN)

Application

EP 02023459 A 20021021

Priority

IT TO20011003 A 20011022

Abstract (en)

The device (1) comprises a support structure (2) with an opening (3) for the insertion of a hook (4) connected to a door (5), and a cam member (14) which is rotatable about a pin (13) translatable along an axis parallel to the direction of insertion of the hook (4), and which has a reaction profile (14a) disposed between a first recess or notch and a second recess or notch (14b, 14c). The cam member (14) is capable of: adopting a rest position in which it is adjacent the opening (3) and its reaction profile (14a) bears against a stop member (25), and in which its first notch (14b) faces towards the opening (3) and can house an end portion (4a) of the hook (4) when the latter (4) is inserted in the opening (3), and performing, as a result of a further insertion of the hook (4), a reversible rotational/translational movement towards a working position in which it is adjacent the stop member (25), which engages in its second notch (14c), and in which position the hook-like member (4) is held in the first notch (14b). <??>A toggle mechanism (16) is connected to the cam member (14), and can adopt a first configuration and a second configuration in which it tends to keep the cam member (14) in the rest position and in the working position, respectively. <IMAGE> <IMAGE>

IPC 1-7

E05C 3/24; E05C 5/00; D06F 37/28; D06F 49/00; E05C 3/26; D06F 39/14; E05C 5/02; E05B 15/00; E05B 17/00

IPC 8 full level

D06F 39/14 (2006.01); **E05C 3/24** (2006.01); **E05C 5/00** (2006.01); E05B 15/00 (2006.01); E05B 17/00 (2006.01)

CPC (source: EP US)

D06F 37/42 (2013.01 - EP US); **D06F 39/14** (2013.01 - EP US); **E05C 3/24** (2013.01 - EP US); **E05C 5/00** (2013.01 - EP); E05B 15/0086 (2013.01 - EP); E05B 17/0025 (2013.01 - EP)

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Designated contracting state (EPC)

DE ES FR GB

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DOCDB simple family (application)

EP 02023459 A 20021021; DE 60217790 T 20021021; ES 02023459 T 20021021; IT TO20011003 A 20011022