

Title (en)

BLOCKING DEVICE FOR THE DOOR OF AN ELECTRIC HOUSEHOLD APPLIANCE, IN PARTICULAR THE DOOR OF A WASHING MACHINE

Title (de)

VERRIEGELUNGSVORRICHTUNG FÜR DIE TÜR EINES HAUSHALTSGERÄTS, INSBESONDERE FÜR DIE TÜR EINER WASCHMASCHINE

Title (fr)

DISPOSITIF DE BLOCAGE DESTINE A LA PORTE D'UN APPAREIL ELECTROMENAGER ELECTRIQUE, EN PARTICULIER LA PORTE D'UNE MACHINE A LAVER

Publication

EP 2082086 A2 20090729 (EN)

Application

EP 07848811 A 20071011

Priority

- IB 2007003036 W 20071011
- IT TO20060736 A 20061013

Abstract (en)

[origin: WO2008044132A2] A blocking device (1) including a striker (5) in the form of a striker plate (5) sliding perpendicularly to the door (2) and adapted to cooperate in use with a notch (3) of the door (2), and a safety device (6) including a catch (7) blocking the sliding of the striker (5) and control means (8) including electrically operated actuating means (10) for selectively moving the catch (7) between an extracted position and a retracted position from/into its seat (11) in the safety device, in which positions the catch (7) is adapted to respectively intercept/not intercept the striker (5); wherein the control means (8) include a first element (12) actuated by the actuator means so as to be mobile between a first and a second limit stop positions in a direction (P) perpendicular to that of movement (S) of the catch (7); and a bell crank (14) restrained so as to be oscillating on a plane parallel to direction (S) of movement of the catch (7), operatively connected with its first shorter arm (15) to the first element and with its second longer arm (16) to the catch, to receive from the first element (12) an oscillating movement so to shift the catch (7) between said extracted and retracted positions in response to a movement of the first element (12) between said second and first limit stop positions.

IPC 8 full level

D06F 37/10 (2006.01); **D06F 37/42** (2006.01); **D06F 39/14** (2006.01); **E05B 47/00** (2006.01); **H01H 61/02** (2006.01)

CPC (source: EP KR US)

D06F 37/28 (2013.01 - KR); **D06F 37/42** (2013.01 - EP KR US); **D06F 39/14** (2013.01 - EP KR US); **E05B 47/0009** (2013.01 - EP KR); **H01H 61/02** (2013.01 - KR); **H01H 61/02** (2013.01 - EP)

Citation (search report)

See references of WO 2008044132A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2008044132 A2 20080417; **WO 2008044132 A3 20080821**; CN 101506426 A 20090812; CN 101506426 B 20111207; EP 2082086 A2 20090729; EP 2082086 B1 20140115; IT TO20060736 A1 20080414; KR 101469049 B1 20141204; KR 20090078797 A 20090720

DOCDB simple family (application)

IB 2007003036 W 20071011; CN 200780031769 A 20071011; EP 07848811 A 20071011; IT TO20060736 A 20061013; KR 20097007463 A 20071011