

Title (en)
DOOR LOCKING DEVICE, IN PARTICULAR FOR HOUSEHOLD APPLIANCES

Title (de)
TÜRVERRIEGELUNGSVORRICHTUNG, INSBESONDERE FÜR HAUSHALTSGERÄTE

Title (fr)
DISPOSITIF DE VERROUILLAGE DE PORTE, EN PARTICULIER POUR DES APPAREILS ÉLECTROMÉNAGERS

Publication
EP 2367997 B1 20130529 (EN)

Application
EP 09807719 A 20091223

Priority
• IB 2009055940 W 20091223
• IT TO20080992 A 20081224

Abstract (en)
[origin: WO2010073231A1] The device comprises: a support structure (2) with an opening (3) into which, when the door (P) is being closed, a hook member (4) connected to the door (P) is introduced, a retaining slider (7), which is capable of partially- obstructing the opening (3) and retaining the hook member (4) and a safety mechanism including: a slide (30) translatable in the support structure (2) and having a first and a second control member (35, 36) cooperating with corresponding retaining formations (46, 45) of the support structure (2) and the retaining slider (7), respectively; such that when the door (P) is open, the control members (35, 36) engage with the retaining formations (46, 45) such that the retaining slider (7) is substantially locked with respect to the support structure (2); and when the door (P) is being closed, the hook member (4) causes a displacement of the control members (35, 36), causing the disengagement thereof from said retaining formations (46, 45), so that the retaining slider (7) is capable of translating with respect to the support structure (2).

IPC 8 full level
E05B 47/06 (2006.01); **D06F 37/42** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)
E05B 47/0046 (2013.01); **E05B 15/0053** (2013.01); **E05B 63/24** (2013.01); **E05B 2047/0069** (2013.01)

Cited by
DE102016008317B4; IT201900015279A1; DE102016008317A1; US10806322B2; US11624209B2; US11629528B2; US11891838B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010073231 A1 20100701; WO 2010073231 A9 20101216; CN 102257232 A 20111123; CN 102257232 B 20131120;
EP 2367997 A1 20110928; EP 2367997 B1 20130529; IT 1392570 B1 20120309; IT TO20080992 A1 20100625

DOCDB simple family (application)
IB 2009055940 W 20091223; CN 200980151534 A 20091223; EP 09807719 A 20091223; IT TO20080992 A 20081224