

Title (en)

A door locking device for an electric household appliance

Title (de)

Türschliessvorrichtung für ein elektrisches Haushaltsgerät

Title (fr)

Dispositif de fermeture de porte pour un appareil électro-ménager

Publication

EP 0965677 B1 20030409 (EN)

Application

EP 99111297 A 19990610

Priority

IT TO980511 A 19980611

Abstract (en)

[origin: EP0965677A1] The device (1) includes a support casing (2), a retaining slider (4) mounted in the casing (2) for movement between a working position in which it holds a hook member (A) secure to the door (P) and a rest position in which it allows the said member (A) to disengage from the door (P) to be opened. An electromechanical control device (7) includes a bimetal strip (8) with an associated heating element (12). The strip is coupled to a locking member (13) movable, as a result of heating of the strip (8), from a rest position to an obstruction position in which it prevents the cursor (4) from passing from its working to its rest position. An unlocking member (15) is associated with the locking member (13) and includes a control member (16) mounted on the casing (2) for movement between a rest position in which the locking member (13) is allowed to move and a working position in which it acts to force the locking member (13) to move from its obstruction position to its release position. An electrically-controlled actuator (19) is associated with the said locking member (16) and can be activated to cause the latter to move from its working to its rest position. <IMAGE>

IPC 1-7

D06F 37/42; **E05B 47/00**

IPC 8 full level

D06F 37/42 (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP US)

D06F 37/42 (2013.01 - EP US); **E05B 47/0009** (2013.01 - EP US)

Citation (examination)

DE 2708086 A1 19770922 - TEXAS INSTRUMENTS ITALIA SPA

Cited by

EP2397626A1; FR2812678A1; WO2010000626A1; EP2090690A1; EP1544387A3; US7585006B2; US7775070B2; EP1467048A1; EP1988207A3; US2014132013A1; US9605371B2; GB2364350A; GB2364350B; ES2199025A1; EP1741378A1; ITTO20100528A1; DE10038376C2; EA020702B1; US6840553B2; WO2009103331A1; US9127482B2; US6634684B2; US9217217B2

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0965677 A1 19991222; **EP 0965677 B1 20030409**; DE 69906623 D1 20030515; DE 69906623 T2 20040212; IT TO980511 A1 19991213

DOCDB simple family (application)

EP 99111297 A 19990610; DE 69906623 T 19990610; IT TO980511 A 19980611