

Title (en)

Electric household appliance comprising a door locking device

Title (de)

Elektrisches Haushaltsgerät mit einer Türverriegelungsvorrichtung

Title (fr)

Appareil électroménager comportant un dispositif de verrouillage de porte

Publication

EP 2518243 A1 20121031 (EN)

Application

EP 11164054 A 20110428

Priority

EP 11164054 A 20110428

Abstract (en)

An electric household appliance having a casing (2); a compartment (3) housed inside the casing (2) and facing an opening (4); a door (5) fitted to the casing (2) and movable between an open position and a closed position; and a locking device (6); the locking device (6) having a box body (7) fixed to the casing (2), alongside the door (5); latch means (8, 13) fitted to the box body (7) to move between a lock position locking the door (5), and a release position releasing the door (5); and an actuating device (11) for selectively moving the latch means (8, 13) between the lock position and the release position, and which has at least an electrically conducting resistance wire (16) made of a shape-memory alloy and designed to vary in length alongside a variation in temperature, and electric power devices (18) for powering the resistance wire (16) and producing a controlled Joule-effect variation in temperature.

IPC 8 full level

E05B 47/00 (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); **F24C 15/022** (2013.01 - EP); **A47L 15/0049** (2013.01 - EP); **A47L 15/4259** (2013.01 - EP); **A47L 2401/26** (2013.01 - EP); **A47L 2501/32** (2013.01 - EP); **E05B 47/0603** (2013.01 - EP)

Citation (search report)

- [XA] WO 2006095241 A1 20060914 - ODINJSKE APARATE D O O ITW MET [SI], et al
- [XA] EP 1619287 A1 20060125 - FIAT RICERCHÉ [IT]

Cited by

CN110106668A; AU2015239925B2; CN111576005A; WO2015150051A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2518243 A1 20121031; **EP 2518243 B1 20190612**; AU 2012247522 A1 20130502; CN 103562478 A 20140205; CN 103562478 B 20160302; RU 2013152773 A 20150610; WO 2012146697 A1 20121101

DOCDB simple family (application)

EP 11164054 A 20110428; AU 2012247522 A 20120427; CN 201280020814 A 20120427; EP 2012057724 W 20120427; RU 2013152773 A 20120427