Title (en)
DOOR LOCKING DEVICE FOR HOUSEHOLD APPLIANCES

Title (de)
TÜRVERRIEGELUNGSVORRICHTUNG FÜR HAUSHALTSVORRICHTUNGEN

Title (fr)
DISPOSITIF DE VERROUILLAGE DE PORTE POUR APPAREILS MÉNAGERS

Publication
**EP 2625329 A1 20130814 (EN)**

Application
**EP 11781624 A 20111005**

Priority
- IT TO20100814 A 20101005
- IB 2011054391 W 20111005

Abstract (en)
[origin: WO2012046198A1] The door locking device comprises a solenoid actuator (A) associated with a control circuit (1) including: a power source (2), a switch (3) interposed between the power source (2) and the actuator (A), and a heat-sensitive device (4) connected in series with the actuator (A) and adapted to increase its own resistance when its temperature exceeds a predetermined level, so as to limit the current flowing in the actuator (A). The heat-sensitive device (4) is such that in a first temperature range (C1), substantially equal to that of the ambient operating temperature, it has a high impedance which can limit the current flowing in the actuator (A) to a level below that required for its activation; in an adjacent second range (C2) of higher temperatures, it has a reduced impedance which allows sufficient current to flow in the actuator (A) to cause its activation; and in a third range (C3) of even higher temperatures, adjacent to the second range (C2), it has a high impedance which can limit the current flowing in the actuator (A).

IPC 8 full level
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CPC (source: EP KR US)
**D06F 37/42** (2013.01 - EP KR US); **D06F 39/14** (2013.01 - EP KR US); **H01F 7/1805** (2013.01 - EP KR); D06F 34/10 (2020.02 - EP KR US)

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