

Title (en)

Door interlock device for clothes washing and/or drying machines.

Title (de)

Türverriegelungsvorrichtung für Waschmaschinen und/oder Wäschetrockner.

Title (fr)

Dispositif de verrouillage de porte pour machines à laver et/ou sécher le linge.

Publication

EP 0518147 A1 19921216 (EN)

Application

EP 92109161 A 19920530

Priority

IT PN910035 A 19910613

Abstract (en)

Door interlock device for clothes washing and/or drying machines, comprising a traditional-type electromechanical actuator (4) with a bimetallic element for the delayed release of the lock (86) of the loading door of the machine, a plurality of functional parts (14, 15, 16, 17) and an electronic microprocessor arrangement (8) incorporating safety means adapted to enable the door lock to be released for opening only when pre-set values are reached as far as the temperature of the wash liquor (or the drying air, as the case may be), the level of the wash liquor and the rotation speed of the clothes holding drum are concerned. Device further provided with an electric push-button switch (5) connected with said microprocessor arrangement (8) and adapted to enable, under the control of said microprocessor arrangement, the door to be actuated for opening through a cam (90) of a rotary selector means (64), which actuates a string (87) connected to a lever (94) having its fulcrum in the lock (86) and acting on the door latch (98) so as to release and open it when said rotary selector means (64) is actuated accordingly. Device of simple and reliable construction, adapted to be used particularly in those machines that are not provided with a door handle. <IMAGE>

IPC 1-7

D06F 37/42

IPC 8 full level

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CPC (source: EP US)

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

Citation (search report)

- [A] FR 1564393 A 19690418
- [AD] EP 0384148 A1 19900829 - ZANUSSI A SPA INDUSTRIE [IT]

Cited by

US6036241A; CN109853195A; EP0965677A1; US7347460B2; US12024809B2; WO2004020727A3; WO2009007380A1; WO2013167490A3

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