

Title (en)

A DOOR LOCKING MEANS FOR A WASHING OR DRYING MACHINE FOR LAUNDRY

Publication

EP 0384148 B1 19930505 (EN)

Application

EP 90101499 A 19900125

Priority

IT 4571189 A 19890221

Abstract (en)

[origin: EP0384148A1] A door locking means for washing or drying machines for laundry, comprising an electromechanical actuator (5) associated with a pin (6) interacting with the lock (7) of the door to lock or unlock it, and comprising an electric contact (31) connected within the electric circuit of the electromechanical actuator (5) and adapted to feed or deenergize the latter. The locking means also comprises a plurality of electronic comparators (1, 2, 3) provided respectively with first inputs (8, 9, 10) and with second inputs (14, 15, 16) adapted to be fed with voltages respectively proportional to the effective values and to predetermined reference values of characteristic quantities of the machine (temperature, washing bath level and rotating speed of the drum). In accordance with the comparison between the voltages, the comparators (1, 2, 3) thus control a logical NOR gate (4) connected thereafter, which in turn effects the opening or closing of the electric contact (31) and thus the unlocking or locking of the door of the machine via a transistor (26) and an electromagnet (29) or similar elements. The locking means in question thus allows the door to be opened during or after each cycle of the machine in states that are safe for the user.

IPC 1-7

D06F 37/42

IPC 8 full level

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CPC (source: EP US)

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Cited by

US6036241A; DE10154850C1; DE102006052428A1; EP0808935A3; EP0518147A1; EP3296445A4; US6886868B2; US8148653B2; WO2012025373A1; WO03029548A1; US10982369B2

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