

Title (en)

Safety switching apparatus against dry operation of electrical heating resistances, particularly for washing machines and dishwashers

Title (de)

Sicherheitsschalteneinrichtung für das trockengehen elektrischer Heizwiderstände insbesondere für Waschmaschinen oder Geschirrspülmaschinen

Title (fr)

Dispositif de coupure sécurité contre la marche à sec des résistances électriques en particulier pour les machines à laver et les lave-vaisselle

Publication

EP 0740008 A3 19980128 (EN)

Application

EP 96105206 A 19960401

Priority

DE 19515902 A 19950429

Abstract (en)

[origin: EP0740008A2] The invention relates to a safety switching apparatus against dry operation of electrical resistances, particularly for washing machines and dishwashers, with electromechanical or electronic control systems and level switches for monitoring the water level. Security against dry operation of the heating resistances is considerably improved in that two level switches monitor the normal water level and, incorporated in series, control a switch element, in that the switch element triggers the control motor and switches off the water intake valve, and in that the control motor, after expiry of a predetermined time, by means of control contacts, switches the heating resistance into parallel with the switch element in the heating and washing stage following the water intake stage. <IMAGE>

IPC 1-7

D06F 33/02; **A47L 15/46**

IPC 8 full level

A47L 15/42 (2006.01); **D06F 39/04** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [A] EP 0452678 A2 19911023 - ZANUSSI ELETTRODOMESTICI [IT]
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ITTO20120057A1; EP2620090A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

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