

Title (en)

Safety circuit for domestic appliances using water

Title (de)

Sicherheitsschaltung für Haushaltsgeräte, die Wasser verwendet

Title (fr)

Circuit de sécurité pour appareils électroménager utilisant de l'eau

Publication

EP 0940113 A1 19990908 (EN)

Application

EP 99103642 A 19990225

Priority

DE 19809114 A 19980304

Abstract (en)

The invention relates to a safety circuit for domestic appliances using water, particularly washing machines and dishwashers, with a program selector, a level switch in the washing or rinsing container and a leak detector in a water collecting trough. Safety can be increased and damage caused by fault occurring even when the domestic appliance is switched off can be prevented by the provision of an additional logic circuit continuously fed with mains alternating current which can be controlled by the program selector, the level switch and the leak detecting device, by the logic circuit switching on the process control to the power supply on the occurrence of predetermined trigger conditions and by the process control effecting predetermined switching processes, as a function of the prevailing trigger conditions, through components (e.g. pump) of the domestic appliance.

IPC 1-7

A47L 15/42; **D06F 39/08**

IPC 8 full level

A47L 15/42 (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP US)

A47L 15/421 (2013.01 - EP); **D06F 39/081** (2013.01 - EP US); **D06F 33/47** (2020.02 - EP US); **D06F 34/10** (2020.02 - EP US); **D06F 2105/60** (2020.02 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DE 19809114 C1 19990617; DE 69907542 D1 20030612; DE 69907542 T2 20040318; EP 0940113 A1 19990908; EP 0940113 B1 20030507; ES 2197535 T3 20040101

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