

Title (en)

Filter monitoring device for an electric household appliance.

Title (de)

Vorrichtung zur Überwachung eines Filters für ein elektrisches Haushaltsgerät.

Title (fr)

Dispositif de contrôle de filtre pour un appareil électroménager.

Publication

EP 0245870 A1 19871119 (EN)

Application

EP 87107068 A 19870515

Priority

IT 4572686 A 19860516

Abstract (en)

A filter monitoring device for a laundry washer or a laundry dryer having a filter associated with indicator means (16) for indicating its operative condition. The device comprises a pressure switch (7) having a movable contact (8) adapted to close on one and the other of the fixed contacts (10, 11) of the pressure switch, respectively, when the tub of the machine is empty or filled with a washing liquid to a predetermined level. The fixed contact (11) of the pressure switch (7) is connected via a circuit breaker (13) associated with a cam of the program control unit of the machine to actuator means (14; 22; 26; 38) adapted to maintain the indicator means (16) deenergized or to energize said indicator means under conditions indicating said filter to be non-obstructed or obstructed, respectively. The circuit breaker (13) on its part is closed on said actuator means (14; 22; 26; 38) after expiry of a predetermined period of time from the beginning of the discharge of the washing liquid from the tub. While said circuit breaker (13) is closed, said movable contact (8) may be closed on one or the other of the fixed contacts (10, 11) of the pressure switch (7). In the first case, corresponding to the non-obtured state of the filter, said indicator means (16) remains deenergized, while in the second case said indicator means (16) is energized to indicate the obtured state of the filter.

IPC 1-7

D06F 39/08; **D06F 39/10**; **D06F 58/22**

IPC 8 full level

D06F 39/08 (2006.01); **D06F 39/10** (2006.01); **D06F 58/22** (2006.01)

CPC (source: EP US)

D06F 39/10 (2013.01 - EP US); **D06F 58/22** (2013.01 - EP US); **D06F 39/087** (2013.01 - EP US)

Citation (search report)

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- [A] US 2950539 A 19600830 - STEVENSON WALTER R, et al
- [A] PATENT ABSTRACTS OF JAPAN, vol. 2, no. 83 (M-78), 6th July 1978, page 2308 M 78; & JP-A-53 53 166 (HITACHI SEISAKUSHO K.K.) 15-05-1978

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Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0245870 A1 19871119; **EP 0245870 B1 19910911**; DE 3772839 D1 19911017; ES 2025578 T3 19920401; IT 1192081 B 19880331; IT 8645726 A0 19860516

DOCDB simple family (application)

EP 87107068 A 19870515; DE 3772839 T 19870515; ES 87107068 T 19870515; IT 4572686 A 19860516