

Title (en)

Device and method for feeding water into a washer machine

Title (de)

Verfahren und Vorrichtung zur Zuführung von Wasser in einer Waschmaschine

Title (fr)

Dispositif et procédé pour l'alimentation d'eau dans une machine à laver

Publication

**EP 1721558 A3 20081224 (EN)**

Application

**EP 06113866 A 20060512**

Priority

IT UD20050075 A 20050513

Abstract (en)

[origin: EP1721558A2] Device for feeding water into a washer machine, in particular a dishwasher equipped with an anti-calcium unit (11) comprising elements (14, 15) able to decalcify the washing water and elements (12, 13) able to regenerate the decalcification filtering elements, and a tank (17) for the execution, with clean water (28), of cycles to regenerate said filtering elements. The device comprises a group of load valves connected to the mains water supply and having two valves (22a, 22b), able to be selectively and independently activated, associated downstream with a crossed-flow distributor unit (18) having two inlets (19a, 19b) and three outlets (20a, 20b, 20c). A first outlet (20a) of said crossed-flow distributor unit (18) is connected to said anti-calcium unit (11) in order to feed washing water to be sent to said decalcification elements (14, 15), a second outlet (20b) of said distributor unit (18) is connected, by means of an outlet (37), to the washing chamber for mixing hard water with decalcified water, and a third outlet (20c) is connected with said tank (17) of the regeneration water, in order to send the water to said elements (12, 13) to regenerate the decalcification filtering elements.

IPC 8 full level

**A47L 15/42** (2006.01); **D06F 39/00** (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP)

**A47L 15/4217** (2013.01); **A47L 15/4229** (2013.01)

Citation (search report)

- [A] EP 1452123 A1 20040901 - ELECTROLUX AB [SE]
- [A] DE 10009293 A1 20010201 - AWECO APPLIANCE SYS GMBH & CO [DE]
- [A] EP 0725182 A1 19960807 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] US 3680703 A 19720801 - BOROCHANER STUART
- [PA] EP 1600546 A1 20051130 - ELECTROLUX HOME PROD CORP [BE]
- [A] DE 1628550 B1 19700924 - CONSTRUCTA WERKE GMBH

Cited by

CN103732820A; CN102551447A; US9637856B2; US9663892B2; US11485647B2; US9790636B2; WO2013017516A1; WO2013017546A1; WO2020234227A1; US9790635B2; US10385500B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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