

Title (en)

Washing machine with controlled detergent consumption, and control method thereof.

Title (de)

Waschmaschine mit gesteuertem Waschmittelverbrauch und Steuerungsverfahren.

Title (fr)

Machine à laver avec consommation de détergent contrôlée et procédé de contrôle.

Publication

EP 0649933 A1 19950426 (EN)

Application

EP 94116745 A 19941024

Priority

IT TO930796 A 19931026

Abstract (en)

A washing machine is described, particularly a laundry washing machine of the domestic type, comprising a system for controlling the detergent consumption. The main feature of the described laundry washing machine is that it comprises means for detecting the detergent concentration in the washing liquid, means for estimating its optimal concentration and means for signalling the user with the result of the comparison between the detected detergent concentration and the optimal one, in order to educate him, wash after wash, in a more correct use of the detergent, so as to avoid useless waste and to reduce as far as possible the negative effects on the environment.

IPC 1-7

D06F 39/00

IPC 8 full level

D06F 39/00 (2006.01)

CPC (source: EP US)

D06F 34/22 (2020.02 - EP US); **A47L 15/0055** (2013.01 - EP); **D06F 2103/04** (2020.02 - EP US); **D06F 2103/16** (2020.02 - EP US); **D06F 2103/18** (2020.02 - EP US); **D06F 2103/22** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP US)

Citation (search report)

- [XA] US 3645669 A 19720229 - RAUSCH GERHARD
- [XA] US 3796925 A 19740312 - BREEDING W
- [A] FR 2474547 A1 19810731 - MIELE & CIE [DE]
- [A] EP 0110999 A1 19840620 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] DE 4122307 A1 19930114 - LICENTIA GMBH [DE]

Cited by

DE10145601A1; CN112176638A; CN113930940A; DE102007041069B4; EP2220279A4; CN109183357A; CN103339310A; CN111434838A; US8397328B2; US7114209B2; US6873876B1; DE102007041069A1; WO0019284A1; US9243987B2; US9481957B2; US8266748B2; US8388695B2; US10066331B2

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0649933 A1 19950426; **EP 0649933 B1 19990317**; DE 69417146 D1 19990422; DE 69417146 T2 19990812; ES 2130329 T3 19990701; IT 1261006 B 19960429; IT TO930796 A0 19931026; IT TO930796 A1 19950426

DOCDB simple family (application)

EP 94116745 A 19941024; DE 69417146 T 19941024; ES 94116745 T 19941024; IT TO930796 A 19931026