

Title (en)

METHOD FOR CONTROLLING THE GENERATION OF SUDS IN A WASHING MACHINE AND A WASHING MACHINE SUITABLE THEREFOR

Title (de)

VERFAHREN ZUR STEUERUNG DER SCHAUMERZEUGUNG IN EINER WASCHMASCHINE SOWIE HIERZU GEEIGNETE WASCHMASCHINE

Title (fr)

PROCEDE DE REGULATION DE LA PRODUCTION DE MOUSSE DANS UN LAVE-LINGE, ET LAVE-LINGE A CET EFFET

Publication

EP 2171147 A2 20100407 (DE)

Application

EP 08786004 A 20080709

Priority

- EP 2008058897 W 20080709
- DE 102007033492 A 20070718

Abstract (en)

[origin: WO2009010432A2] The invention relates to a method for controlling the generation of suds during the treatment of washing with suds consisting of an aqueous surfactant solution in a programme-controlled washing machine. Said machine comprises a solution drain system that is situated on the base of an outer tub (1), a solution pump, a rotating drum (2) and a heating unit (13). The method comprises the following steps: a) detecting the suds contained in the outer tub (1) and/or in the drum (2); and b) setting and/or maintaining a predefined range for the concentration of the suds between c1 and c2, the detection (a) of the suds being carried out by means of one or several sensors (15), which track a hydrostatic pressure p, a temporal gradient ($\frac{dp}{dt}$) of the hydrostatic pressure p and/or a conductance k in the outer tub (1) and/or in the drum (2). A measured hydrostatic pressure p is compared to a predetermined lower value p1 for the hydrostatic pressure and a predetermined upper value p2 for the hydrostatic pressure and if $p < p1$, the speed U of the drum (2) is increased and if $p > p2$, the speed U of the drum (2) is decreased. The invention also relates to a washing machine that is suitable for carrying out said method.

IPC 8 full level

D06F 35/00 (2006.01); **D06F 39/06** (2006.01)

CPC (source: EP US)

D06F 33/36 (2020.02 - EP US); **D06F 39/06** (2013.01 - EP US); **D06F 2103/18** (2020.02 - EP US); **D06F 2105/28** (2020.02 - EP US); **D06F 2105/48** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP US)

Citation (search report)

See references of WO 2009010432A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007033492 A1 20090122; CN 101755087 A 20100623; CN 101755087 B 20121219; EA 017272 B1 20121130; EA 201070137 A1 20100630; EP 2171147 A2 20100407; EP 2171147 B1 20150121; PL 2171147 T3 20150630; US 2010192310 A1 20100805; US 8601625 B2 20131210; WO 2009010432 A2 20090122; WO 2009010432 A3 20090618

DOCDB simple family (application)

DE 102007033492 A 20070718; CN 200880025098 A 20080709; EA 201070137 A 20080709; EP 08786004 A 20080709; EP 2008058897 W 20080709; PL 08786004 T 20080709; US 66844708 A 20080709