

Title (en)

METHOD FOR THE DETECTION OF FOAM IN A LAUNDRY WASHING MACHINE AND WASHING CYCLE USING SAID METHOD

Title (de)

VERFAHREN ZUM NACHWEIS VON SCHAUM IN EINER WASCHMASCHINE UND WASCHZYKLUS ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR LA DÉTECTION DE MOUSSE DANS UN LAVE-LINGE ET CYCLE DE LAVAGE UTILISANT LEDIT PROCÉDÉ

Publication

EP 3235940 A1 20171025 (EN)

Application

EP 16166320 A 20160421

Priority

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Abstract (en)

The present invention relates to a method for determining the presence of foam in a laundry washing machine (1) comprising a washing tub (3) containing a washing drum (4) and a recirculation pump (21). The method comprises the steps of: performing a steady phase wherein the recirculation pump (21) is deactivated and a recirculation phase wherein the recirculation pump (21) is activated; detecting a first level (L1) of the washing liquid in the washing tub (3) during the steady phase; detecting a second level (L2) of the washing liquid in the washing tub (3) during the recirculation phase; determining the level difference (LD) between the second level (L2) and the first level (L1); comparing the determined level difference (LD) with a threshold value (TV) and if the determined level difference (LD) is below the threshold value (TV) establishing the presence of foam.

IPC 8 full level

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CPC (source: CN EP US)

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D06F 2105/58 (2020.02 - CN EP US); **D06F 2105/60** (2020.02 - CN EP US)

Citation (applicant)

- WO 2015036166 A1 20150319 - ELECTROLUX APPLIANCES AB [SE]
- EP 1731656 A2 20061213 - LG ELECTRONICS INC [KR]

Citation (search report)

- [X1] JP 2012170696 A 20120910 - PANASONIC CORP
- [A] WO 2015024764 A1 20150226 - BSH BOSCH & SIEMENS HAUSGERAETE GMBH [DE]
- [A] DE 10233278 A1 20040219 - WHIRLPOOL CO [US]
- [A] EP 2113600 A1 20091104 - PANASONIC CORP [JP]
- [A] US 2012090098 A1 20120419 - AMOS SYLVAN J [US], et al

Cited by

CN112695491A

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