

Title (en)
DRUM WASHING MACHINE

Title (de)
TROMMELWASCHMASCHINE

Title (fr)
MACHINE À LAVER À TAMBOUR

Publication
EP 2728048 A4 20150401 (EN)

Application
EP 12804998 A 20120308

Priority
• JP 2011144020 A 20110629
• JP 2011191334 A 20110902
• JP 2012001593 W 20120308

Abstract (en)
[origin: EP2728048A1] A rotatable drum type washing machine of the present invention includes: a rotatable drum (3) for housing laundry; a vessel (3) for housing the rotatable drum; a motor (7) for driving the rotatable drum; a water supply unit (10) for supplying washing and/or rinsing water into the vessel; a circulator (17) for circulating the washing and/or rinsing water in the vessel into the rotatable drum; a foam detector (27, 28) for detecting an amount of foam; and a controller (22) for controlling at least one of the following steps a washing step, a rinsing step and water removal step. Then, the controller (22) is configured to control so as to rotate the rotatable drum at a predetermined rotational frequency based on the amount of foam detected by the foam detector (27, 28), and also to spray the washing and/or rinsing water onto the laundry in the rotatable drum (3) by the circulator (17). It is thereby possible to optimize driving of the rotatable drum (3) in accordance with a generated state of the foam, so as to enhance a cleaning effect.

IPC 8 full level
D06F 33/36 (2020.01); **D06F 34/22** (2020.01); **D06F 39/06** (2006.01); **D06F 39/08** (2006.01)

CPC (source: CN EP US)
D06F 33/36 (2020.02 - CN EP US); **D06F 34/22** (2020.02 - CN EP US); **D06F 39/06** (2013.01 - CN EP US); **D06F 39/083** (2013.01 - CN EP US); **D06F 39/088** (2013.01 - CN EP US); **D06F 2103/20** (2020.02 - CN EP US); **D06F 2105/48** (2020.02 - CN EP US)

Citation (search report)
• [Y] DE 102007036041 A1 20090205 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [Y] EP 0268155 A2 19880525 - LICENTIA GMBH [DE]
• [Y] EP 0740010 A2 19961030 - DAEWOO ELECTRONICS CO LTD [KR]
• [A] DE 102007042968 A1 20090312 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] DE 102009027933 A1 20110127 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• See references of WO 2013001681A1

Cited by
EP3995616A4; EP4375409A1; US11898292B2; US12049722B2; CN107177954A; EP3992345A4; WO2024144672A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2728048 A1 20140507; **EP 2728048 A4 20150401**; **EP 2728048 B1 20170104**; CN 103649399 A 20140319; CN 103649399 B 20160601; WO 2013001681 A1 20130103

DOCDB simple family (application)
EP 12804998 A 20120308; CN 201280032316 A 20120308; JP 2012001593 W 20120308