

Title (en)
WASHING MACHINE

Title (de)
WASCHMASCHINE

Title (fr)
MACHINE À LAVER

Publication
EP 2325366 A1 20110525 (EN)

Application
EP 09811249 A 20090828

Priority
• JP 2009004193 W 20090828
• JP 2008224415 A 20080902
• JP 2009140783 A 20090612

Abstract (en)
Elastic suspending portions (3) allowing accommodation tub (2) to be suspended from the upper side of cabinet (5) allow accommodation tub (2) to be suspended from symmetrical positions with respect to a rotation axis of drum (1). Vibration detecting unit (11) detecting a vibration of accommodation tub (2) detects a vibration of accommodation tub (2) in the front/rear direction. Rotation speed control unit (13) changes a rotation speed of motor (6) in accordance with the magnitude of the frequency component calculated by frequency component calculating unit (12) with respect to the vibration in the front/rear direction. Accordingly, the fabric state may be highly precisely detected, and the rotation speed of drum (1) may be controlled. As a result, the cleaning performance of the washing machine may be improved.

IPC 8 full level
D06F 33/48 (2020.01); **D06F 34/16** (2020.01); **D06F 37/20** (2006.01)

CPC (source: EP KR US)
D06F 25/00 (2013.01 - KR); **D06F 33/48** (2020.02 - EP KR US); **D06F 34/16** (2020.02 - EP KR US); **D06F 49/04** (2013.01 - KR); **D06F 2103/26** (2020.02 - EP KR US)

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2325366 A1 20110525; **EP 2325366 A4 20120314**; **EP 2325366 B1 20160413**; CN 102144061 A 20110803; CN 102144061 B 20130227; JP 2010082424 A 20100415; JP 5446489 B2 20140319; KR 101257174 B1 20130422; KR 20110046581 A 20110504; TW 201020363 A 20100601; WO 2010026719 A1 20100311

DOCDB simple family (application)
EP 09811249 A 20090828; CN 200980134411 A 20090828; JP 2009004193 W 20090828; JP 2009140783 A 20090612; KR 20117007510 A 20090828; TW 98129395 A 20090901