

Title (en)
WASHING MACHINE

Title (de)
WASCHMASCHINE

Title (fr)
MACHINE À LAVER

Publication
EP 2319971 A4 20180214 (EN)

Application
EP 09809568 A 20090827

Priority
• JP 2009004153 W 20090827
• JP 2008223125 A 20080901
• JP 2009143860 A 20090617

Abstract (en)
[origin: EP2319971A1] Provided is a washing machine including: a drum (11); a water tank (13) for having the drum installed therein and is filled with washing water; a motor (12) for rotationally driving the drum; a cabinet (10) for accommodating the water tank; a vibration detecting device (17) for being configured as an acceleration sensor provided in the water tank (13) and capable of switching plural acceleration detecting ranges having different minimum acceleration resolutions; and a control unit (20) for controlling the motor and the vibration detecting device on the basis of the output of the vibration detecting device (17), wherein the vibration is more accurately detected by switching the acceleration detecting ranges in accordance with the detected acceleration or the rotation speed of the drum.

IPC 8 full level
D06F 34/16 (2020.01); **D06F 35/00** (2006.01); **D06F 37/20** (2006.01)

CPC (source: EP KR US)
D06F 23/06 (2013.01 - KR); **D06F 34/16** (2020.02 - EP US); **D06F 49/04** (2013.01 - KR); **D06F 2103/24** (2020.02 - EP US); **D06F 2103/26** (2020.02 - EP US); **D06F 2105/48** (2020.02 - EP US)

Citation (search report)
• [XYI] WO 2006030672 A1 20060323 - STAR MFG CO [JP], et al
• [Y] WO 2006129712 A1 20061207 - CITIZEN WATCH CO LTD [JP], et al
• [XI] JP 2005296431 A 20051027 - STAR MFG CO
• [X] US 2007039105 A1 20070222 - LEE DONG-SOO [KR], et al
• [AD] JP 2005274443 A 20051006 - STAR MFG CO, et al
• [A] JP 2004198310 A 20040715 - TAMAGAWA SEIKI CO LTD
• See references of WO 2010023912A1

Cited by
DE102016213232A1; WO2018028388A1; EP3488561B1

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

DOCDB simple family (publication)
EP 2319971 A1 20110511; EP 2319971 A4 20180214; CN 102137966 A 20110727; CN 102137966 B 20140115; JP 2010075669 A 20100408; KR 101253404 B1 20130411; KR 20110048073 A 20110509; TW 201020362 A 20100601; TW I378165 B 20121201; WO 2010023912 A1 20100304

DOCDB simple family (application)
EP 09809568 A 20090827; CN 200980134168 A 20090827; JP 2009004153 W 20090827; JP 2009143860 A 20090617; KR 20117007517 A 20090827; TW 98128667 A 20090826