

Title (en)
Drum type washing machine

Title (de)
Trommelwaschmaschine

Title (fr)
Machine à laver à tambour

Publication
EP 2103726 A1 20090923 (EN)

Application
EP 09150519 A 20090114

Priority
JP 2008063474 A 20080313

Abstract (en)
A drum type washing machine (1) includes a housing, a washtub unit (7) accommodated in the housing, a damper (70) for elastically supporting the washtub at a supporting position, a vibration sensor (40) for detecting a vibration of the washtub. The vibration sensor outputs a first signal and a second signal corresponding to a component of vibration of a portion of the washtub along a first direction and a component of the vibration along a second direction perpendicular to the first direction, respectively. The portion of the washtub is between the center plane of the washtub and the opening of the washtub. A controller determines, based on the first and second signals output from the vibration sensor, whether or not the laundry is distributed in the rotary drum in a front unbalance in which the laundry is biased from the center plane towards the opening of the rotary drum, and whether or not the laundry is distributed in the rotary drum in a rear unbalance in which the laundry is biased from the center plane towards the bottom of the rotary drum. The drum type washing machine enables to detect unbalance of a laundry even when the laundry is biased in the rotary drum towards a bottom of the rotary drum.

IPC 8 full level
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CPC (source: EP US)
D06F 33/76 (2020.02 - EP US); **D06F 34/08** (2020.02 - EP US); **D06F 2103/26** (2020.02 - EP US)

Citation (applicant)
JP 2006311884 A 20061116 - SHARP KK

Citation (search report)
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• [A] EP 1607729 A1 20051221 - DIEHL AKO STIFTUNG GMBH & CO [DE]
• [A] US 2006053838 A1 20060316 - INUZUKA TADASHI [JP], et al
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Designated extension state (EPC)
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