

DRUM-TYPE WASHING MACHINE

ABSTRACT

5 A drum-type washing machine includes a casing, a washing tub, a
drum, a motor, a vibration detector, a frequency component calculator, and a
controller. The drum with an agitating protrusion on its inner peripheral
wall is placed in the washing tub for containing a laundry. The vibration
detector detects vibration acceleration of the washing tub. The frequency
10 component calculator calculates a frequency component in the vibration
acceleration detected by the vibration detector. The controller controls a
forward-reverse continuous pivot drive mode, and also determines the state of
laundry in the drum during washing or rinsing, based on a result received
from the frequency component calculator.

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FIG. 1