

ABSTRACT

WASHING MACHINE

5 A washing machine includes a tank lid provided on a detergent tank, an
automatic liquid agent injection device that supplies a liquid agent inside the
detergent tank to a drum, and a remaining amount detector that detects a
remaining amount of liquid agent. The remaining amount detector includes a
float portion provided on the tank lid and floating on a surface of the liquid agent,
10 first and second magnets provided for the float portion, and a linear Hall
element. The first magnet and the second magnet are disposed apart from each
other at positions along a moving direction of the float portion that moves in
accordance with changes in level of the liquid agent in the detergent tank. The
first magnet and the second magnet are alternately disposed so as to have
15 different polarities with respect to the linear Hall element. The remaining
amount of liquid agent in the detergent tank is detected based on an output
voltage from the linear Hall element. This configuration can provide a washing
machine that can determine sufficiency and insufficient of the remaining
amount of liquid agent in a wide range.

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[FIG. 36]