

WASHING MACHINE

ABSTRACT

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
10 agent, 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
15 to have 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