PTL 3: Unexamined Japanese Patent Publication No. 2000-342894

PTL 4: Unexamined Japanese Patent Publication No. 2008-99919

SUMMARY

[0005]

Embodiments provide a washing machine capable of supplying a sufficiently foamed detergent solution for washing clothes.

[0005a]

A washing machine according to an aspect comprises: a detergent case that includes a storage chamber in which a detergent is stored; and a water supply box that includes a holding part that forms a storage space in which the detergent case is stored, and a channel structure part that defines a channel through which water is supplied to the detergent case, wherein the holding part holds the detergent case such that the detergent case is movable between an exposed position where the storage chamber is exposed from the holding part, and a storage position where the storage chamber is stored within the storage space, the water supply box is disposed between the holding part and the channel structure part, and includes a support wall that supports the water flowing along the channel, the support wall includes a dropping hole and a leak hole, the dropping hole and the leak hole being formed between the holding part and the channel structure part, the dropping hole defining a dropping path of the water toward the detergent case disposed at the storage position, and the leak hole being a hole through which the water from the channel leaks when the storage chamber is disposed at the exposed position, and the detergent case closes the leak hole when the detergent case is disposed at the storage position.

[0006]

A washing machine according to an embodiment includes a detergent case that is provided with a first storage chamber in which a detergent is stored, and a channel structure part that forms a channel above the detergent case. The channel structure part is provided with a plurality of dropping holes that direct water from the channel toward the detergent case. The detergent case includes a separation wall that separates the first storage chamber into a mixing chamber where the detergent and the water are mixed to produce a solution of the detergent, and a foaming chamber where the solution flowing from the mixing chamber is foamed. The plurality of dropping holes include a first dropping hole that directs the water toward the mixing chamber, and a second dropping hole that directs the water toward the foaming chamber.

[0007]

The washing machine according to the present disclosure is capable of washing clothes by using a sufficiently foamed detergent solution.

BRIEF DESCRIPTION OF DRAWINGS

[0008]

FIG. 1 is a schematic block diagram of an exemplary washing