Patent Literature

[0005]

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SUMMARY

[0006]

To solve the above-described conventional problem, embodiments of the present invention aim to provide a washing machine capable of suppressing generation of clearance between components configuring a lid device.

[0007]

A washing machine according to the first aspect of the present disclosure includes a washing machine body accommodating a washing/spin-drying tub, and a lid device for openably covering a laundry loading port formed in the washing machine body. The lid device includes a lid body, and a lid ornament which covers the lid body and is fixed to the lid body by a first fixing structure and a second fixing structure. A sidewall of the lid body is disposed inwardly of a sidewall of the lid ornament, and the second fixing structure is provided on an outer surface of the sidewall of the lid body and an inner surface of the sidewall of the lid ornament wherein the first fixing structure includes a first fixing rib disposed on the lid ornament, a first engaging claw and an inhibiting rib which are disposed on the lid body, the first fixing rib is inserted between the first engaging claw and the inhibiting rib, and the first engaging claw engages in a first engaging hole formed in the first fixing rib, and the inhibiting rib abuts on or is disposed in close proximity to the first fixing rib and inhibits the first engaging claw from being disengaged from the first engaging hole when the first fixing rib is deformed.

[0007a]

A washing machine according to the second aspect of the present disclosure includes a washing machine body accommodating a washing/spin-drying tub; and a lid device for openably covering a laundry loading port formed in the washing machine body, wherein the lid device includes a lid body, and a lid ornament which covers the lid body and is fixed to the lid body by a first fixing structure and a second fixing structure, a sidewall of the lid body is disposed inwardly of a sidewall of the lid ornament, and the second fixing structure is provided on an outer surface of the sidewall of the lid body and an inner surface of the sidewall of the lid ornament, wherein the second fixing structure includes: on the inner surface of the sidewall of the lid ornament, a second engaging claw, and a fixing part disposed near the second engaging claw wherein the fixing part includes a base part extending from the sidewall of the lid ornament in a direction substantially perpendicular to the sidewall of the lid ornament, and a hook part formed downward from the base part in substantially parallel with the sidewall of the lid ornament to be spaced away from the sidewall of the lid ornament, and; and on the outer surface of the sidewall of the lid body, a second engaging hole in which the second engaging claw of the lid ornament engages, and a hook engaging part for engaging with the hook part.

[0008]

The washing machine of the present invention can suppress generation of clearance between the components configuring the lid device.

BRIEF DESCRIPTION OF DRAWINGS

[0009]

FIG. 1 is a longitudinal sectional view of a washing machine according to a first exemplary embodiment of the present invention.

on the inner surface of the sidewall of the lid ornament, a second engaging claw, and a fixing part disposed near the second engaging claw

wherein the fixing part includes a base part extending from the sidewall of the lid ornament in a direction substantially perpendicular to the sidewall of the lid ornament, and a hook part formed downward from the base part in substantially parallel with the sidewall of the lid ornament to be spaced away from the sidewall of the lid ornament, and on the outer surface of the sidewall of the lid body, a second engaging hole in which the second engaging claw of the lid ornament engages, and a hook engaging part for engaging with the hook part.

3. The washing machine according to claim 2, wherein

the fixing part further includes

a reinforcing rib for connecting the hook part, the base part, and the inner surface of the sidewall of the lid ornament.

4. The washing machine according to claim 2 or 3, wherein the hook engaging part includes a pair of ribs formed to face each other, a notch part formed between the pair of ribs, and a support part forming an opening between the pair of ribs for insertion of the hook part.