# WASHING MACHINE

## BACKGROUND

### 1. Technical Field

**[0001]** The present disclosure relates to a washing machine.

### 2. Description of the Related Art

**[0002]** A conventional washing machine configured to capture lint and the like by a drainage filter has been proposed.

**[0003]** This washing machine includes: a water tub elastically supported inside a main body; an accommodation tank rotatably provided inside the water tub; a water supply unit configured to supply water to the water tub; a motor configured to rotate a washing tub; and a drainage path configured to drain water in the water tub. The washing machine further includes: a drainage pump disposed in the drainage path and configured to suck and drain water; a filter case provided in the drainage path and including a drainage filter configured to capture foreign matters; and a circulating pump provided in a circulation path passing through the filter case and configured to circulate washing water. Furthermore, the drainage filter is configured to filtrate washing water circulating through the circulation path by the operation of the circulating pump and capture lint and the like contained in the washing water (for example, see Patent Literature 1).

### Citation List

**[0004]** Patent Literature 1: Japanese Unexamined Patent Application Publication No. 2016-146984

## SUMMARY

[0004a] In an aspect, the present disclosure refers to a washing machine, comprising: a main body; a water tub elastically supported inside the main body; a rotating drum rotatably disposed inside the water tub; a water supply device configured to supply water to the rotating drum or the water tub; a motor configured to rotate the rotating drum; a drainage path configured to drain the water from the water tub; a drainage pump disposed in the drainage path and configured to suck and drain the water; a filter disposed in the drainage path and configured to capture foreign matters; and a controller configured to sequentially control a washing operation, the washing operation including a washing step,

a rinsing step, and a dewatering step, wherein, in a drainage operation to be performed by the drainage pump, the controller intermittently drives the drainage pump.

**[0005]** However, there was a risk that the conventional washing machine would cause clogging of the drainage filter with lint and the like and drainage failure. Furthermore, for the purpose of preventing clogging of the drainage filter, a user needed to frequently take care of the drainage filter

[0006] ~~The~~ In an example, the present disclosure provides a washing machine capable of reducing the time and effort of a user for cleaning by pulverizing dusts and wastes captured by a filter.

[0007] ~~The~~ In an example, the washing machine according to the present disclosure includes: a water tub elastically supported inside a main body; a rotating drum rotatably disposed inside the