SPECIFICATION

TITLE

CIRCULATING DRAINAGE ASSEMBLY OF LAUNDRY PROCESSING APPARATUS AND LAUNDRY PROCESSING APPARATUS

TECHNICAL FIELD

[0001] The present disclosure relates to the technical field of laundry machine, in particular to a circulating drainage assembly of laundry processing apparatus and a laundry processing apparatus.

BACKGROUND

[0002] Existing laundry processing apparatus comprises a machine body, a barrel for cleaning or drying laundry, and a circulating drainage assembly. The washing of laundry is performed by circulation spraying and drainage of laundry water in the barrel by the circulating drainage assembly. During the washing or drying of the laundry in the barrel, foreign matters such as coin and button and thread debris on the laundry may drop off and enter the circulating drainage assembly along with the laundry water in subsequent washing process. In a circulation working mode, the laundry water in the circulating drainage assembly will be re-sprayed into the barrel to clean the laundry. But the circulation spraying of the laundry water will be affected by the clogging of the thread debris. In particular, in a case where the circulation spray tube is relatively narrow, the spray nozzle is very likely to be clogged by the thread debris, causing insufficient spraying. Therefore, existing laundry processing apparatus has deficiency of reduced circulation spraying effect, i.e., reduced laundry cleaning effect.

SUMMARY

[0002a] In a first aspect, the present disclosure refers to a circulating drainage assembly of a laundry processing apparatus, comprising:

- a housing having an cavity and provided with an inlet, a drainage outlet and a circulation outlet; and
- a filter assembled in the cavity and having a first filter portion that divides the cavity into a circulation cavity and a drainage cavity along its axial direction;

wherein the inlet and the drainage outlet are respectively communicated with the drainage

cavity, the circulation outlet is communicated with the circulation cavity; in a drainage working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is discharged from the drainage outlet; and in a circulation working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is filtered by the first filter portion and then enters the circulation cavity to be discharged from the circulation outlet.

[0003] The technical problem to be solved by the present disclosure is to provide a circulating drainage assembly for a laundry processing apparatus which prevents thread debris from affecting laundry cleaning.

[0004] In order to solve the above technical problem, the present disclosure employs the technical solution: a circulating drainage assembly of a laundry processing apparatus, comprising: a housing having an cavity and provided with an inlet, a drainage outlet and a circulation outlet; and a filter assembled in the cavity and having a first filter portion that

[0013a] In a second aspect, the present disclosure refers to a laundry processing apparatus comprising the previously described circulating drainage assembly of the first aspect.

[0013] As compared with the prior art, the present disclosure has the following advantageous effect.

[0014] The technical solution of the circulating drainage assembly of the laundry processing apparatus comprises a circulating drainage assembly of a laundry processing apparatus, comprising: a housing having an cavity and provided with an inlet, a drainage outlet and a circulation outlet; and a filter assembled in the cavity and having a first filter portion that divides the cavity into a circulation cavity and a drainage cavity along its axial direction; wherein the inlet and the drainage outlet are respectively communicated with the drainage cavity, the circulation outlet is communicated with the circulation cavity; in a drainage working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is discharged from the drainage outlet; and in a circulation working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is filtered by the first filter portion and then enters the circulation cavity to be discharged from the circulation outlet, which has the following technical effect.

[0015] A laundry processing apparatus comprises a machine body, a barrel for cleaning or drying laundry, and a circulating drainage assembly. The washing of laundry is performed by circulation spraying and drainage of laundry water in the barrel by the circulating drainage assembly. During the washing or drying of the laundry in the barrel, foreign matters such as coin and button and thread debris on the laundry may drop off and enter the circulating drainage assembly along with the laundry water in subsequent washing process. In a circulation working mode, the laundry water in the circulating drainage assembly will be re-sprayed into the barrel to clean the laundry. But the circulation spraying of the laundry water will be affected by the clogging of the thread debris. In particular, in a case where the circulation spray tube is relatively narrow, the spray nozzle has a tendency to be clogged by the thread debris, causing insufficient spraying. Therefore, existing laundry processing apparatus has deficiency of reduced circulation spraying effect, i.e., reduced laundry cleaning effect. To the contrary, according to the present disclosure, the cavity is divided into a circulation cavity and a drainage cavity in its axial direction by the first filter portion of the filter assembled in the cavity. In the circulation working mode, the laundry water enters the drainage cavity from the inlet and is then filtered by the first filter portion and enters the circulation cavity, and is at last discharged from the circulating drainage assembly through the circulation outlet. When the laundry water passes through the first filter portion, the first filter portion filters foreign matters and laundry thread debris in the laundry water and remains the foreign matters and the laundry thread debris on the side of the first filter portion towards the drainage cavity, thereby preventing the laundry water entering the circulation cavity from having foreign matters and