Multifunctional kitchen cleaner

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Abstract

The utility model discloses a multifunctional kitchen cleaner comprising a body, a body consisting of a two-liquid mixing tube, a cleaning liquid storage box disposed at the bottom of the two-liquid mixing tube, and a spray washing device disposed on the side of the two-liquid mixing tube. And a hand-held component disposed on the side of the two-liquid mixing tube. The bottom of the two-liquid mixing tube is provided with a cleaning liquid inlet tube. Since the domestic tap water is pressed through the Venturi tube, there will be a certain pressure loss, so that the spray cleaning apparatus will form a washing The spray pressure of the liquid is also small, and it is not easy to produce splashes. The device is suitable for washing dishes in a home kitchen, cleaning a hood, cleaning a kitchen countertop, cleaning a floor, cleaning a glass of an exterior wall, etc. The utility model has a reasonable structure and various functions. The operation is simple and convenient, the cleaning effect is good, the efficiency is high, and the kitchen cleaning function without dirty hands is realized, which brings a great help to people.

Keywords

Kitchen cleaner, washing.

1. Introduction

There are many types of cleaners, such as a cleaning brush, a mop, etc. These cleaning devices are used to wipe off dirt on the surface to achieve clean and sanitary purposes. They are generally composed of a brush body and an operating handle, but are cleaned according to different cleaning objects. The structure of the apparatus is also different. At present, the well-known home washer technology adopts the three-in-one model of water storage, water pump, and spray washing. The patents only differ in the structure of the water storage structure and the spray cleaning structure.

Existing cleaners are either too short, or the bristles are too hard to wipe or grind fragile objects in some corners when wiping dirt, but in a confined space such as the kitchen, most are bulky, and most The well-known household washer spray pressure is too large, easy to cause splashing of the washing liquid, it is also not suitable for home kitchen applications, so most of the original rags plus detergent and clean water cleaning, few people use electric equipment in the kitchen cleaning. Therefore, how to design a multifunctional kitchen cleaner becomes a problem that we are currently solving.

2. Structure principle

A multifunctional kitchen cleaner includes a body, a body consisting of a two-liquid mixing tube, a cleaning liquid storage box disposed at the bottom of the two-liquid mixing tube, a spraying device disposed on the side of the two-liquid mixing tube, and a two-fluid mixing tube The side of the hand-held parts, the bottom of the two-liquid mixing pipe is provided with a cleaning liquid inlet pipe, and the cleaning liquid inlet pipe is penetrated through the two-liquid mixing pipe. The middle part of the cleaning liquid storage box is provided with a cleaning liquid and a cleaning liquid. Embedded in the cleaning liquid storage box, a spray pipe is arranged on one side of the spray washing device, and the spray pipe is tightly welded with the two-liquid mixed pipe. A scrub brush is arranged on the side of the spray pipe, and the scrubbing piece and the spray pipe are closely welded and scrubbed. The side of the sheet is provided with a scraper blade and a brush, and the scraper blade is closely welded with the scrubber blade. The hair brush and the scrubber blade are closely contacted. The middle part of

the hand-held component is provided with a heating device, and the heating device is embedded in the handheld component. The side of the hand-held part is provided with a water inlet, and the water inlet is penetrated through the hand-held part.

3. Description of drawings

FIG. 1 is one of the schematic diagrams of the overall structure of the main body of the present invention;

FiG. 2 is a schematic view of the overall structure of the body of the utility model 2;

FIG. 3 is a schematic view of a partial structure of a hand-held component of the present invention; FIG.

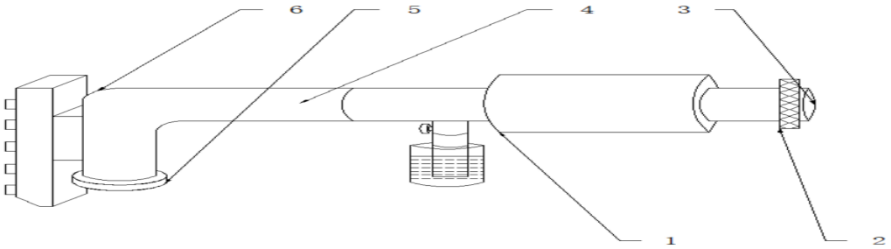

Fig. 1 the schematic diagrams

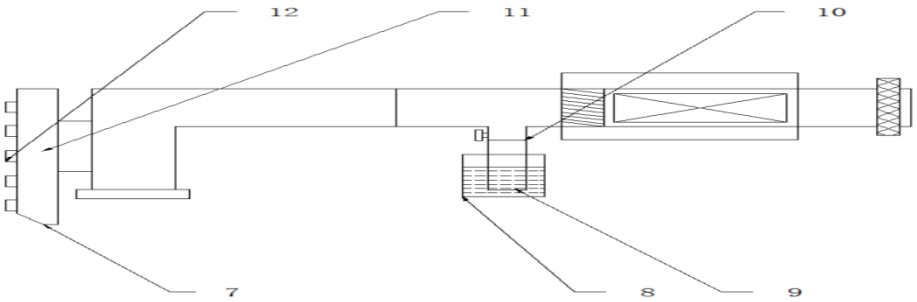

Fig. 2 is a schematic view

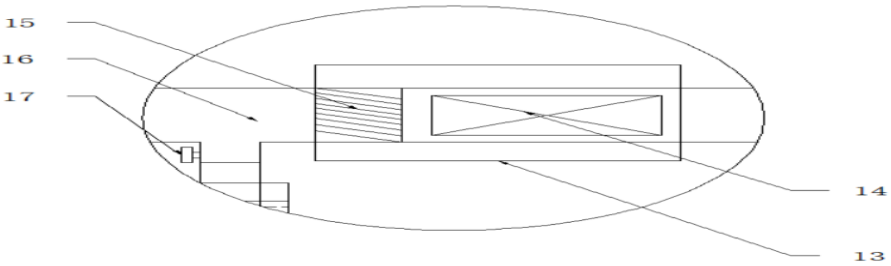

Fig. 3 In the figure

In the figure: 1, the body; 2, connecting parts; 3, water inlet; 4, nozzle; 5, nozzle; 6, spray device; 7, scraper; 8, cleaning fluid storage box; 9, cleaning fluid; , cleaning liquid inlet tube; 11, scrub brush; 12, brush; 13, hand-held parts; 14, heating device; 15, Venturi tube; 16, two liquid mixing tube; 17, water valve.

4. Implementation process

A multifunctional kitchen cleaner includes a body 1, the body 1 is composed of a two-liquid mixing tube 16, a cleaning liquid storage box 8 disposed at the bottom of the two-liquid mixing tube 16, and a spraying device 6 disposed on the side of the two-liquid mixing tube 16. And a hand-held component 13 disposed on the side of the two-liquid mixing tube 16; the bottom of the two-liquid mixing tube 16 is provided with a cleaning liquid inlet tube 10, and the cleaning liquid inlet tube 10 is penetrated through the two-liquid mixing tube 16, and the cleaning liquid The middle portion of the storage box 8 is provided with a cleaning liquid 9, and the cleaning liquid 9 is embedded in the cleaning liquid

storage box 8. A side of the spray washing device 6 is provided with a nozzle 4, and the nozzle 4 and the two-liquid mixing tube 16 are closely connected. Welding, the side of the nozzle 4 is provided with a scrubbing sheet 11, and the scrubbing sheet 11 and the nozzle 4 are welded closely. The side of the scrub sheet 11 is provided with a scraper 7 and a brush 12, and the scraper 7 is closely welded with the scrubber 11. The brush 12 and the scrubbing sheet 11 are in close contact with each other, and a heating device 14 is disposed in an intermediate portion of the hand-held member 13. The heating device 14 is embedded in the hand-held device 13. The side of the hand-held device 13 is provided with a water inlet 3. The nozzle 3 is disposed in the hand-held member 13 through the brush 12 and the blade 7 on the scrub blade 11 . Cleaning efficiency kitchen grease and grime, saving manpower.

Further, the second liquid mixing tube 16 is provided with a Venturi tube 15 on one side, and the Venturi tube 15 is embedded in the two-liquid mixing tube 16 to generate a Venturi effect through the venturi tube 15 , so that the cleaning solution can be conveniently used. The suction from the cleaning solution storage box 8 improves work efficiency.

A water valve 17 is provided on one side of the cleaning liquid inlet pipe 10, and the water valve 17 is embedded in the cleaning liquid inlet pipe 10. Through the water valve 17, the liquid output of the cleaning liquid 9 can be controlled, and the working efficiency is improved.

The nozzle 5 is arranged at the bottom of the spraying device 6, and the nozzle 5 and the nozzle 4 are closely welded. Through the nozzle 5, the mixed liquid can be atomized and sprayed for cleaning, and the utility model has strong practicability.

A connecting member 2 is arranged on the side of the water inlet 3, and the connecting member 2 is nested on the water inlet 3. The connecting member 2 can make the water inlet 3 connected to the kitchen water pipe more stable.

The working principle of a multifunctional kitchen cleaner is as follows: First, the user checks whether the equipment is damaged, and then, when used, connects the water inlet 3 and the kitchen water pipe through the connecting member 2, and tap water with pressure enters through the water inlet 3. The Venturi tube 15 and the two-liquid mixing tube 16 suck the cleaning liquid 9 from the cleaning liquid storage box 8 through the venturi effect, the mixed liquid enters the spray cleaning apparatus 6, and finally the atomized state is ejected through the nozzle 4 and the nozzle 5. The hand holds the handpiece 13 and cleans the kitchen through the scrubbing blade 11, the brush 12 and the scraper blade 7 during spraying, and scrubs back and forth on the kitchen objects that need to be washed to achieve the function of cleaning the hands without soiling the hand. The cleaning effect is improved, and the waste of the cleaning liquid 9 is reduced. The amount of the cleaning liquid 9 is controlled by the water valve 17 on the cleaning liquid inlet pipe 10. In order to increase the water temperature, the water is heated using the heating device 14 in the hand-held member 13.

5. Conclusion

The multifunctional kitchen cleaner eliminates the existing water storage device of the cleaner, realizes miniaturization, uses domestic tap water pressure as a driving force, avoids the problem of electric safety, and in addition, the household tap water passes through the venturi tube. There is a certain pressure loss, which makes the spray device to form a spray pressure containing washing liquid is also small, not easy to produce splash, this device is suitable for washing dishes in the home kitchen, cleaning hood, cleaning the kitchen table, cleaning the floor, cleaning the outside Wall glass and the like. The utility model has reasonable structure, various functions, simple and convenient operation, good cleaning effect, high efficiency, and the function of cleaning the kitchen without dirty hands, and brings great help to people.

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