

Liquid Suction Device

Abstract

The present invention enables liquid suction with a nozzle tip end in contact with a bottom surface of a container without causing damage to the nozzle and/or the bottom surface of the container.

Plural rails 112 are disposed on an arm 101 movable three-dimensionally so as to extend upward from the arm 101, and a pipe 102 is fixed to a pipe fixing member 103 movable along the rails. A tip end of the pipe functions as a nozzle. Plural resilient members 114 are disposed on the arm so as to correct the inclination of the pipe fixing member. When the arm is moved downward and the tip end of the pipe comes in contact with the bottom of the container 106, the pipe and the pipe fixing portion move upward along the rails, so that the tip end of the pipe can be brought into contact with the bottom surface of the container while avoiding damages in the pipe and bottom of the container and suck liquid in the container in this state.

Fig. 1