

ABSTRACT

An all-plastic self-locking pump includes a pump body extending into a bottle, provided with a pump chamber and connected with a bottle locking cover, a suction assembly is arranged in the pump chamber, a check valve is arranged at a lower end of the pump chamber. A button is connected to an upper end of the suction assembly, a self-locking cover is arranged on the pump chamber, a plastic annular part is arranged in the pump chamber above the check valve, and an opening is formed in a side face of the plastic annular part. Positions where the button stays include a locking position and an unlocking position, a locking mechanism is arranged between the button and the self-locking cover, and after the button is rotated to the unlocking position from the locking position, the button can be pressed to enable liquid in the bottle to be sprayed out of an outlet of the button. According to invention, the plastic annular part is arranged in the pump chamber and located above the check valve, the plastic elastic part replaces a metal spring to achieve elastic expansion and contraction, all parts are made of all-plastic materials, and energy conservation and environment friendliness are achieved; and when the button is not used, the button can be locked by rotating the button, so that liquid leakage caused by mistakenly pressing the button is prevented.