CLAIMS

1. An assembly structure of a hand wash liquid soap dispenser comprising:

a main body casing (1); and

a liquid storage bottle (2),

wherein the assembly structure of the hand wash liquid soap dispenser further comprises an external snapping head (3) snap-fitted on a bottle mouth (21) of the liquid storage bottle, a plurality of protruded flexible snaps (31) are provided at intervals on an outer periphery of an upper end of the external snapping head, a recessed groove (11) engaged with the outer periphery of the external snapping head is provided on a bottom part of the main body casing, and a plurality of first snaps (12) or snap grooves corresponding to the flexible snaps are provided on an inner wall of the recessed groove, a suction nozzle (13) extending downward and protruding beyond the recessed groove is disposed on one side of the recessed groove, and a recessed hole (32) for the suction nozzle to be inserted in and sealed is provided on the external snapping head, a through-hole (321) communicating with an inside of the liquid storage bottle is provided on a bottom part of the recessed hole, a positioning recess (33) is provided in a central part of a top end of the external snapping head, and a boss (14) which extends downward and is to be inserted into the positioning recess is provided in a central part of the recessed groove, and the suction nozzle is disposed on one side of the boss and is protruded downward and beyond a lower end of the boss, the recessed hole is located on one side of a bottom part of the positioning recess,

characterized in that

two vertical guiding columns (331) are provided on an inner wall of the positioning recess and respectively located at two sides of the recessed hole, one side of the boss is recessed and formed with guiding grooves (141) which cooperate with the guiding columns, and the suction nozzle is located in a middle of the guiding grooves.

2. The assembly structure of a hand wash liquid soap dispenser according to claim 1, wherein an air aperture (34) in communication with the inside of the liquid storage bottle is provided at one side of the recessed hole on the bottom part of the positioning recess, outer sides of the two guiding columns are respectively in abutment with both

sides of the guiding grooves, an air flow channel connecting external air and the air aperture is provided between the guiding columns and the suction nozzle.

3. The assembly structure of a hand wash liquid soap dispenser according to claim 2, wherein a snapping edge (211) protruding in a radial direction is provided on an outer side of an upper end of the bottle mouth of the liquid storage bottle, a cap-shaped portion (35) sleeved on an outer periphery of the bottle mouth of the liquid storage bottle is formed on the outer periphery of the upper end of the external snapping head, and an inner side of the cap-shaped portion is provided with a plurality of protruded second snaps (351) distributed at intervals in an annular array and snap-fitted to a lower end surface of the snapping edge.

4. The assembly structure of a hand wash liquid soap dispenser according to claim 3, wherein the top end of the external snapping head is provided with arc-shaped holes (352) running through in an up and down direction at positions corresponding to the second snaps.

5. The assembly structure of a hand wash liquid soap dispenser according to claim 4, wherein at least one positioning protrusion (212) projecting radially outwards from the snapping edge is provided on the outer periphery of the bottle mouth of the liquid storage bottle, and a U-shaped bayonet (353) for the positioning protrusion to fit in is provided on a lower end of the cap-shaped portion.

6. The assembly structure of a hand wash liquid soap dispenser according to claim 5, wherein the assembly structure of a hand wash liquid soap dispenser further comprises a bottle cap that is covered on the outer periphery of the external snapping head for sealing; and a rubber plug (5) disposed in the positioning recess for sealing the recessed hole and the air aperture, a plurality of protruded rotation stoppers (41) for screwing the flexible snaps in are provided on an inner side of the bottle cap, and a receiving groove (42) for receiving the flexible snap is provided in the rotation stopper, one side of the receiving groove is an opening into which the flexible snap is screwed, and a protruded arc-shaped limiter (43) is provided at the opening, a lower end of the rotation stopper on a side corresponding to the opening is provided with an outwardly inclining guiding inclined edge (44), and another side of the receiving groove has a rib (45) for stopping the flexible snap, a lower end of the rubber plug is provided with two

plug pillars (51) which are protruded and inserted into the recessed hole and the air aperture respectively.

7. A liquid storage bottle (2), comprising:

a bottle body (20);

an external snapping head (3) snapped to a bottle mouth (21) of the bottle body; and

a bottle cap (4) covered onto an outer periphery of the external snapping head,

wherein a plurality of protruded flexible snaps (31) are provided at intervals on an outer periphery of an upper end of the external snapping head, and a plurality of protruded rotation stoppers (41) for screwing the flexible snaps in are provided on an inner side of the bottle cap, a positioning recess (33) is provided in a central part of a top end of the external snapping head, and one side of the positioning recess is provided with a recessed hole (32) and an air aperture (34) that communicate with an inside and an outside of the bottle body, the positioning recess is also provided with a rubber plug (5) for sealing the recessed hole and the air aperture,

characterized in that

two vertical guiding columns (331) are provided on an inner wall of the positioning recess and respectively located at two sides of the recessed hole, which are adapted to cooperate with guiding grooves formed on a recessed side of the boss in the assembly structure of a hand wash liquid soap dispenser according to claim 1.

8. The liquid storage bottle according to claim 7, wherein a receiving groove for receiving the flexible snap is provided in the rotation stopper, one side of the receiving groove is an opening into which the flexible snap is screwed, and a protruded arc-shaped limiter (43) is provided at the opening, a lower end of the rotation stopper on a side corresponding to the opening is provided with an outwardly inclining guiding inclined edge (44), and another side of the receiving groove has a rib (45) for stopping the flexible snap, a lower end of the rubber plug is provided with two plug pillars (51) which are inserted into the recessed hole and the air aperture respectively.