

Title (en)
Airless dispenser pump

Title (de)
Luftloser Pumpspender

Title (fr)
Pompe distributeur sans air

Publication
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Application
EP 02425530 A 20020813

Priority
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Abstract (en)
The present invention relates to a dispenser pump of novel design excellent in assembling feasibility, durability and in avoidance of deterioration by the trouble from contents. <??>The invention is a dispenser pump comprising a screwed cap (2) connected to the opening part of a container (1), a button (3) provided vertically movably on the top of the screwed cap (3) and formed with a nozzle (4), a stem (6) connected to a lower part of the button (3) so as to communicate with the nozzle (4) a cylinder housing (10) provided with a check valve (14) in an opening part (15) at the lower end of the housing, a top part of the cylinder housing (10) being connected to the screwed cap (2), a piston (9) connected to the lower part of the stem (6) to be vertically movable in the cylinder housing (10) and a sealing member (12) provided on the circumference of the piston (9), wherein the dispenser pump includes further an upper ring member (22) fitted on the upper part of the stem (6), the position of the upper ring member being restricted by a stopper (21) and a lower ring member (24) fitted on the lower part of the stem (6) and positioned at an upper part of the piston (9), so that a spring (8) can be elastically provided between the upper ring member (22) and the lower ring member (24). <IMAGE>

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B05B 11/1025 (2023.01); **B05B 11/1042** (2023.01); **B05B 11/1074** (2023.01)

Citation (search report)
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