

Title (en)
ALL PLASTIC AIRLESS PUMP DISPENSER

Title (de)
LUFTLOSER PUMPENSPENDER AUS KUNSTSTOFF

Title (fr)
DISTRIBUTEUR À POMPE SANS AIR ENTIÈREMENT EN PLASTIQUE

Publication
EP 4377019 A1 20240605 (EN)

Application
EP 22873376 A 20220812

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Abstract (en)
[origin: WO2023048848A1] A hand operated airless dispensing pump made from all plastic materials, for dispensing fluid from a container, comprising: an actuator, a stem, a pump piston, a pump body, an upper check valve, a lower check valve, a return spring, a container and a moving piston; the actuator including a flow passage having a fluid outlet; the stem including a flow passage having a fluid inlet; the pump body formed as a hollow, cylindrical body, having an upper end, a fluid inlet at a lower end, and a pump chamber therebetween; the upper check valve configured to control the flow of fluid through the fluid inlet of the stem; the lower check valve configured to control the flow of fluid through the fluid inlet of the pump body; wherein the actuator, stem and piston are interconnected and the piston reciprocates within the pump chamber upon down-strokes and upstrokes of the actuator.

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