

Title (en)
LIQUID SOAP DISPENSER WITH IMPROVED PUMPING MECHANISM

Publication
EP 0176135 A3 19860903 (EN)

Application
EP 85201446 A 19850912

Priority
US 65427984 A 19840924

Abstract (en)
[origin: EP0176135A2] A liquid soap dispensing system includes a closed soap reservoir having a manually actuated pumping mechanism located below and in fluid communication with the reservoir. The pumping mechanism basically comprises a cylindrical bowl having an open end defined by a continuous side wall and a moveable, substantially rigid closed end that is attached about its periphery to the bowl's side wall. The dispenser also includes a hand-pulled lever having two moving ends that pivot around a pivot pin - one end extending outside the dispenser for easy grasping thereof by the user with the other end being in sliding contact with the outer surface of the bowl's rigid end. In operation, a discrete quantity of liquid soap flows from the upper reservoir through a one-way valve and fills the bowl's interior cavity. When the lever's grasping end is pulled, the lever's bulb-contacting end pushes the bowl's rigid end up within the cross-section defined by the bowl's side wall toward the bowl's open end and forces the soap contained therein out through a discharge conduit and into the user's hand. When the lever is released, the bowl expands and draws another discrete charge of soap from the upper reservoir.

IPC 1-7
A47K 5/12

IPC 8 full level
A47K 5/12 (2006.01)

CPC (source: EP)
A47K 5/1208 (2013.01)

Citation (search report)
• [X] FR 2520702 A1 19830805 - GOURNELLE MAURICE [FR]
• [YD] US 4429812 A 19840207 - STEINER ROBERT L [US], et al

Cited by
AU2014216538B2; AT1172U3; US8991655B2; WO2014126835A1; US9340337B2; US11744413B2

Designated contracting state (EPC)
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