

Title (en)

PUMP DISPENSER, FILLING APPARATUS AND REPLENISHMENT SYSTEM HAVING A PLURALITY OF PUMP DISPENSERS

Title (de)

PUMPSPENDER, FÜLLVORRICHTUNG UND NACHFÜLLSYSTEM MIT EINER MEHRZAHL VON PUMSPENDERN

Title (fr)

DISTRIBUTEUR À POMPE, APPAREIL DE REMPLISSAGE ET SYSTÈME DE RÉAPPROVISIONNEMENT COMPORTANT UNE PLURALITÉ DE DISTRIBUTEURS À POMPE

Publication

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Application

**EP 19806166 A 20191115**

Priority

EP 2019081524 W 20191115

Abstract (en)

[origin: WO2021093972A1] The invention relates to a pump dispenser for providing and withdrawing liquids, in particular cleansing substances and body care products. Said pump dispenser comprises a bottle (1), having a bottle bottom (8) and a bottle opening (3) for storing and providing the liquid, and a pump lid (2) sitting on and/or in the bottle opening (3) for metered withdrawal of the liquid. The pump lid (2) comprises a metering pump (4) with a manually operated actuation element, and further comprises a lid (6) for closing the bottle (1) and an output device (7) for a metered liquid pumped out of the bottle (1). The bottle (1) has a replenishment opening (9) provided in addition to the bottle opening (3). The invention further relates to a replenishment system for a plurality of usage locations (30), having at least one pump dispenser (33) of this kind per usage location (30) and having at least one transportable storage tank (19) for liquids for replenishing the pump dispensers (33). A filling apparatus (13) is used to withdraw the liquid from the storage tank (19) and to introduce the liquid into the pump dispensers (33), the filling apparatus (13) being provided with a filling nozzle (14) or spike for the replenishment openings (9) of the bottles (1) of the pump dispensers (33).

IPC 8 full level

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Citation (search report)

See references of WO 2021093972A1

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