

Title (en)
Bottled liquid dispensers

Title (de)
Flaschenzapfeinrichtung

Title (fr)
Distributeur de liquide à partir d'une bouteille

Publication
EP 1236675 B1 20050706 (EN)

Application
EP 01204648 A 20001211

Priority
• EP 00311025 A 20001211
• GB 9929742 A 19991216
• GB 0005836 A 20000313

Abstract (en)
[origin: GB2358624A] A bottled liquid dispenser supplies a liquid such as water from a bottle B to a discharge outlet 8 via a reservoir 15. A pump means, such as an air pump 22, pressurises the bottle B to displace water to the reservoir 15. A draw tube 17 in the reservoir has a main outlet port 18 at the bottom and a second outlet port 21 at the top, through which water may flow to the discharge outlet 8. Thus when the water in the reservoir 15 drops below the second outlet port 21 at the top of the draw tube 17, when water in the bottle B runs out, air is discharged to the discharge outlet 8. This means that when the bottle B is replaced, the reservoir 15 quickly fills to a level above the second outlet port 21 and becomes fully functional again. The bottle B has a connector 12 releasably sealed to its neck, having an air inlet (24, fig 4), and a dip tube 13 for the removal of water to the reservoir 15. The reservoir 15 is removably received within thermal means 16 such that the reservoir 15 and bottle B can be removed and replaced with clean components. The thermal means 16 may be a heat-conducting holder which embraces an upper region of the reservoir 15, and the reservoir 15 may be pre-formed for reception within the holder. In order to control the temperature of the water dispensed, water from the bottle B may be mixed with water from the chilled reservoir 16 to supply the discharge outlet.

IPC 1-7
B67D 1/00; **B67D 1/04**; **B67D 1/08**; **B67D 1/12**

IPC 8 full level
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CPC (source: EP)
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Citation (examination)
US 1460209 A 19230626 - JOHN MOHN

Cited by
US10723609B1

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