

Title (en)
Tap for a liquid container.

Title (de)
Zapfhahn für Flüssigkeitsbehälter.

Title (fr)
Robinet pour récipient de liquide.

Publication
EP 0213783 A1 19870311 (EN)

Application
EP 86306020 A 19860805

Priority
GB 8519776 A 19850807

Abstract (en)
The tap has a hollow cylindrical body (12) closed by a diaphragm (14) at one end and having a radial outlet (16). A valve closure member (30) is axially movable by pressure on the diaphragm through a mechanism (60) to lift a closure flange (38) off a seat (20). An annular passage (40) is defined between the body wall and a cylindrical wall (35) of the valve closure member to provide laminar flow from the valve seat to the outlet. A conical end (36) of the valve closure member faces the flow of liquid and is surrounded by a frusto-conical wall (53) to define a divergent annular chamber (54) of uniform cross-section leading to the annular passage (40). This chamber reduces in cross-sectional area as the tap is opened. This combination of features substantially prevents swirling and turbulence and permits dispensing of carbonated liquids without loss of carbonation.

IPC 1-7
B67D 1/14; **F16K 47/04**; **B67D 3/04**

IPC 8 full level
B67D 1/14 (2006.01); **B67D 3/04** (2006.01)

CPC (source: EP)
B67D 1/1405 (2013.01); **B67D 3/043** (2013.01)

Citation (search report)
• [YD] GB 977660 A 19641209 - DOLE VALVE CO
• [Y] FR 1167837 A 19581201 - GASKELL & CHAMBERS LTD

Cited by
WO0041964A1; FR2788326A1; AU750100B2; GB2277366A; GB2277366B; US10526190B2; US10131530B2; WO2014072010A1; US9493334B2; US6296157B1; US6360925B2

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