

Title (en)
LIQUID CONTAINER

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Application
EP 86904886 A 19860815

Priority
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Abstract (en)
[origin: WO8701099A1] A liquid container which comprises a rigid or semi-rigid housing (3), a charging and discharging opening defined by a mouth (3a) of the housing for permitting the passage of liquid content into or out of the container, a flexible and open-ended bag (2) suspended from the housing opening, and valve means (4, 5, 5a, 6) for controlling the charging and discharging of the liquid content of the bag (2) via the opening. The bag (2) is made of an elastomeric material and is of sufficient wall strength to expand without rupture within the confines of the housing (3) from a relaxed contracted state (2a) upon charging of the bag with liquid, and is returnable to its contracted state by its own inherent resilience in order to discharge its liquid content. To facilitate the expansion and contraction of the flexible bag (2), a pressure control valve (8) communicates with the internal space (3b) defined between the exterior of the bag (2) and the internal wall of the housing (3), the control valve (8) being operable manually or automatically to allow venting of the internal space (3b) during expansion of the bag (2) as it is charged with liquid, and also functions normally as a one-way valve which allows ingress of ambient air to the internal space (3b) as the bag (2) contracts during liquid discharge.

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