

Title (en)

FLUID CONTAINERS WITH RESERVOIRS IN THEIR CLOSURES AND METHODS OF USE

Title (de)

FLUIDBEHÄLTER MIT AUFNAHME IN IHREN VERSCHLÜSSEN UND VERWENDUNGSVERFAHREN

Title (fr)

CONTENEURS A FLUIDE PRESENTANT DES RESERVOIRS DANS LEURS SYSTEMES DE FERMETURE ET PROCEDES POUR LES UTILISER

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Application

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Abstract (en)

[origin: WO2006099122A1] Fluid containers are disclosed which have fluid reservoirs in their closures. These reservoirs are advantageous to hold sacrificial fluid which lessens the loss of the fluid of interest to the outside through evaporation. The reservoirs may have openings to the inside or outside of the container, or to both. Reservoirs with openings to the outside serve to reduce evaporative loss by raising the partial pressure of fluid in the vicinity of the contact between the closure and the remainder of the container. The reservoirs may be refillable without opening the container. In one embodiment a fluid reservoir allows the zone of contact between the closure and the remainder of the container to be immersed in fluid, so that gases seeking to escape the interior of the container must pass through fluid. In a further embodiment a closure for a container comprises at least two closure members. The relative position of the closure members with respect to each other is altered upon mating of the closure and container. The alteration of the relative position of the closure members may result in one or more of the members approaching the container more closely. The alteration may result in one or more of the members pressing against the container.

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