

Title (en)

A DEVICE FOR STORING AND DISPENSING A LIQUID

Title (de)

VORRICHTUNG ZUM SPEICHERN UND AUSGEBEN EINER FLÜSSIGKEIT

Title (fr)

DISPOSITIF POUR STOCKER ET DISTRIBUER UN LIQUIDE

Publication

EP 3312134 A1 20180425 (EN)

Application

EP 17197276 A 20171019

Priority

IT 201600105150 A 20161019

Abstract (en)

The present invention relates to a device for storing and dispensing a liquid which comprises a tank for containing the liquid, configured to be pre-charged with a gas at a first pressure that is higher than the atmospheric pressure and at least partially filled with the liquid until reaching a second pressure that is higher than the first pressure; the device further comprises a fluid regulator in order to regulate the passage of the liquid, the regulator comprising an outflow conduit having an intake section and a floating shutter. The fluid regulator is switchable between a closed configuration, wherein the shutter occludes the intake section so as to prevent the passage of gas in the outflow direction of the liquid, and an open configuration determined by the hydrostatic thrust of the liquid on the shutter, wherein the transit of the liquid is allowed.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 5868280 A 19990209 - SCHROEDER DAVID H [US]
- [A] US 2257378 A 19410930 - HARRIS GEORGE W

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