

Title (en)  
FLUID DISPENSER HAVING A RIGID VIAL AND FLEXIBLE INNER BLADDER

Title (de)  
FLUIDSPENDER MIT EINER STARREN PHIOLE UND EINER FLEXIBLEN INNEREN BLASE

Title (fr)  
DISTRIBUTEUR DE FLUIDE POSSEDANT UN FLACON RIGIDE ET UNE VESSIE INTERNE SOUPLE

Publication  
**EP 1556289 A2 20050727 (EN)**

Application  
**EP 03779166 A 20031021**

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Abstract (en)  
[origin: WO2004037708A2] An ophthalmic dispenser has a rigid housing defining a fluid-receiving chamber, a flexible bladder receivable within the fluid-receiving chamber, a pump coupled in fluid communication with the fluid-receiving chamber, and a nozzle having a valve defining an annular, axially extending valve seat, an outlet aperture coupled in fluid communication between the valve seat and the pump, and a flexible valve cover extending about the valve seat and forming an annular, axially-extending interface therebetween. The valve interface is connectable in fluid communication with the outlet aperture, and at least part of the valve cover is movable between (i) a normally closed position with the valve cover engaging the valve seat to close the interface and form a fluid-tight seal therebetween, and (ii) an open position with at least part of the valve cover spaced away from the valve seat in response to pumped fluid flowing through the outlet aperture at a pressure greater than a valve opening pressure to allow the passage of pressurized fluid therebetween. A spring is drivingly connected to the housing and moves at least one of the pump and housing relative to the other to actuate the pump. The rigid housing is mountable within a cartridge which, in turn, is mountable within a dispenser housing including an eyelid depressor and a trigger for simultaneously actuating the eyelid depressor and pump.

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IPC 8 full level  
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