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(54) **Outlet nozzle for pressurized fluid including a flexible membrane sealing the nozzle outlet channel**

(57) The present invention refers to some improvements in the outlet nozzles of a pressurized fluid including a flexible membrane (3) sealing said nozzle outlet channel (3b); this nozzle being applied to the outlet of a fluid contained in a package and distributed under a positive pressure; the nozzle having a plate (1) with an outlet hole (1a) communicating with an outlet duct (1b), said plate (1) having the collecting channels (1d) and eventually forming the outlet vortex of its propelled fluid, the plate (1) being retained by an insert (2) laterally defining, at least, a path for said package content. The improvements consist in the interposition of a flexibly resilient membrane (3) between the internal face of said plate (1) and the opposite face of the insert (2) facing it; said membrane having, at the central part of its active face leaning against the plate internal face (1c) with said outlet hole, a dome-flared projection (3c) defining an additional recess at the membrane opposite face; said membrane being pressurized against the plate internal face (1c), and respectively against the free face of said insert (2b) by said insert (2) body by determining at the areas of this so pressurized membrane, a hermetical seal, at its respective two opposite faces; said dome-flared projection (3c) seating against the internal walls of the outlet channel (1b) provided on said plate (1), by defining an annular sealing against them, and being selectively movable by the content pressure incident against the membrane (3) active face and forming said membrane (3) against the insert surface, an air-sealed chamber compressible by the distortion of said flared projection.

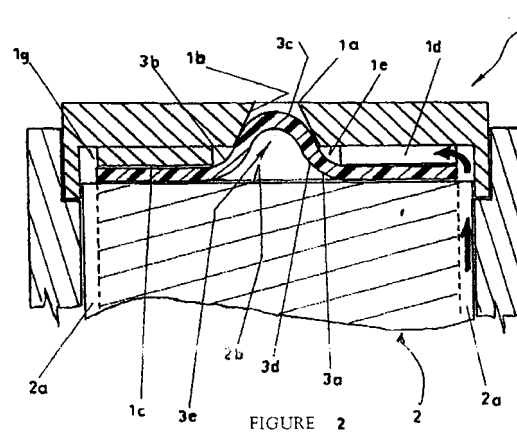


FIGURE 2

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EUROPEAN SEARCH REPORT

Application Number
EP 97 50 0208

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	FR 2 524 348 A (RAMIS MICHEL) 7 October 1983 * page 2, line 38 - page 4, line 10 * -----	1,2,4	B05B1/34 B05B1/30 B05B11/00
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B05B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 November 1998	Examiner Juguet, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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