

(19)



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(11)

EP 0 845 299 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
13.01.1999 Bulletin 1999/02

(51) Int Cl. 6: B05B 1/34, B05B 1/30,
B05B 11/00

(43) Date of publication A2:
03.06.1998 Bulletin 1998/23

(21) Application number: 97500208.0

(22) Date of filing: 28.11.1997

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 29.11.1996 AR 10542396

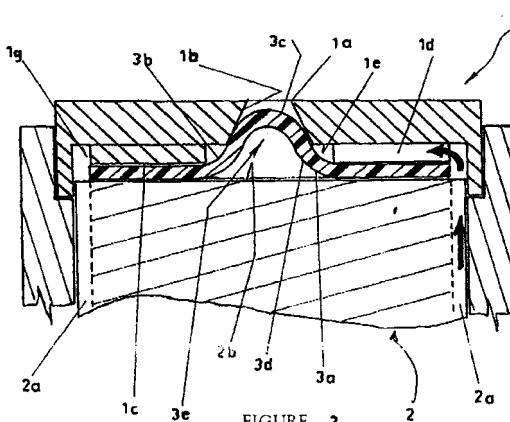
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(54) Outlet nozzle for pressurized fluid including a flexible membrane sealing the nozzle outlet channel

(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.



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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
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
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
THE HAGUE	23 November 1998	Juguet, J
CATEGORY OF CITED DOCUMENTS 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		
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 & : member of the same patent family, corresponding document		