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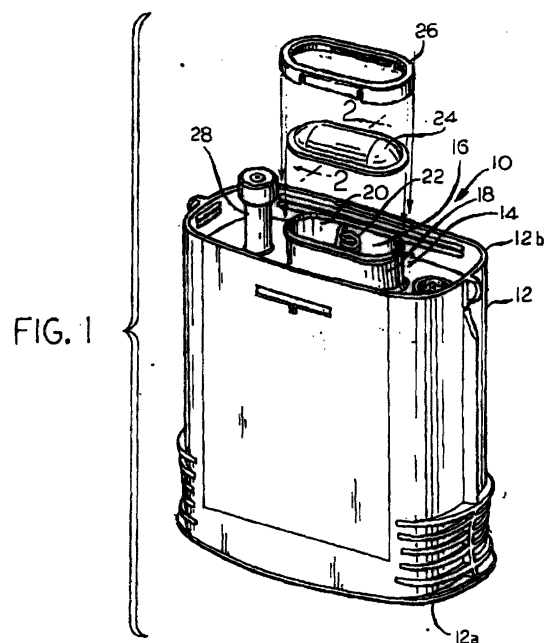
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(54) **Liquid containment and dispensing device**

(57) A diaphragm (24) for attaching to a free edge of a perimetrical wall (18) of a pumping chamber (16) of a chassis (12) of a liquid containment and dispensing device (10), said diaphragm being preshaped to have a raised central portion (24a) surrounded by a planar edge portion (24b). The raised central portion of the diaphragm permits the diaphragm, when secured to a free edge of the perimetrical wall, to flex with respect to the pumping chamber without leading to the formation of wrinkles in the planar edge portion. The diaphragm has an innermost layer (24c) of LDPE, and the planar edge portion thereof is secured by heatstaking to the free edge of the perimetrical wall of the chassis, which is formed by molding from a plastic material. An aluminum crimp ring (26) is provided to tightly retain the planar edge portion of the diaphragm against the free edge of the perimetrical wall of the chassis.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 99 11 1924

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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Y	--- WO 98 22290 A (PBT INT LTD ;PAYNE JOHN M (GB)) 28 May 1998 (1998-05-28) * figures 1,2 *	1	
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 9 July 2001	Examiner Achermann, D
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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