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Apparatus for containing and dispensing a fluid under pressure.

An apparatus (10) for containing and dispensing a fluid under pressure comprises a generally rigid body member (12) having an open top end (14) and a bottom end (16) with a central axis extending generally between the top and bottom ends. A generally rigid elongated mandrel member (26) extends generally along the central axis through the open top end of the body member (12) opening and into at least a portion of the body member (12). An elastomeric, expandable, substantially inert fluid container member (28) is disposed around the mandrel member (26). The container member (28) is generally cylindrical when unexpanded, with open top and bottom ends and is sealingly secured to the mandrel members (26) proximate the top and bottom ends. Valve means (20), including a valve-controlled passageway (24), are connected to the top end of the mandrel member (26). Fluid is inserted into the container and is expelled from the container through the valve-controlled passageway (24). Fastener means (32, 34, 32', 34') comprised of a strip of polypropylene material (32, 34) in one embodiment and strands of polyester yarn material (32', 34') in another embodiment are employed for sealingly securing the container member (28) to the mandrel member (26).

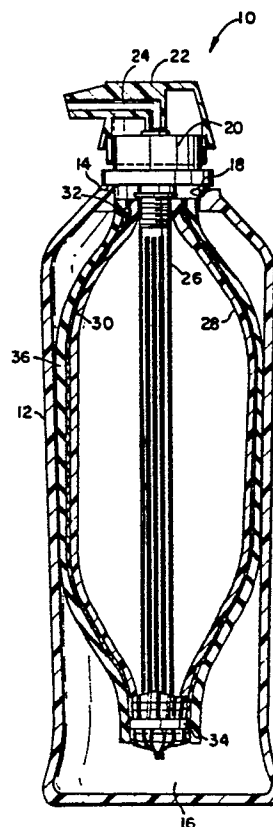


FIG. 1



EP 86 11 5356

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.4)
A,D	US-A-3 961 725 (CLARK) * column 4, lines 12-17; column 6, lines 28-36; column 4, lines 45-48; column 6, line 59 - column 7, line 4; claims 1, 6, 7, 10, 12, 15; figures 1-3 *	1,10,12 -14	B 65 D 83/00
A	DE-A-2 731 412 (BLECKMANN) * claims 1, 3-6; figures 1-3 *	1,7-10, 14	
A,D	US-A-3 738 538 (ROPER et al.) * claims 1-6; figures 3-6 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 65 D 83/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 05-02-1988	Examiner GRUNFELD D.P.
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			