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(54) Child resistant closure assembly

(57) The closure assembly of Figures 1 and 3 comprises a container (1), a cap (2) having a skirt portion (3), and a captive band (4) attached via a tamper-evident tear-off band (5) and a pair of frangible connections (6 and 7) to the skirt portion (3). Arrows 8 on the skirt (3 and 9) on the container (1) show that the cap (2) has been put on in the aligned position. A tab (10) on one end of the tear-off band (5) provides a grip for the fingers in removing the band. In Figure 3 the tab (10) has been torn away to reveal a detent means on the container neck in the form of a projection (11). This is partly situated in a gap under the tab (10) before this has been lifted away, and partly under the start end of the tear-off band (5), which is adapted to flex slightly to accommodate the projection (11) without any significant damage to the frangible connections (6 and 7).

If an attempt is made to remove the cap (2) in the aligned position, before the frangible connections (6 and 7) have been torn, the lower surface (11a) of the projection will be brought into abutment with an upwardly directed surface (4a) of captive band (4), which constitutes a detent means on the captive band, so resisting removal of the cap (2).

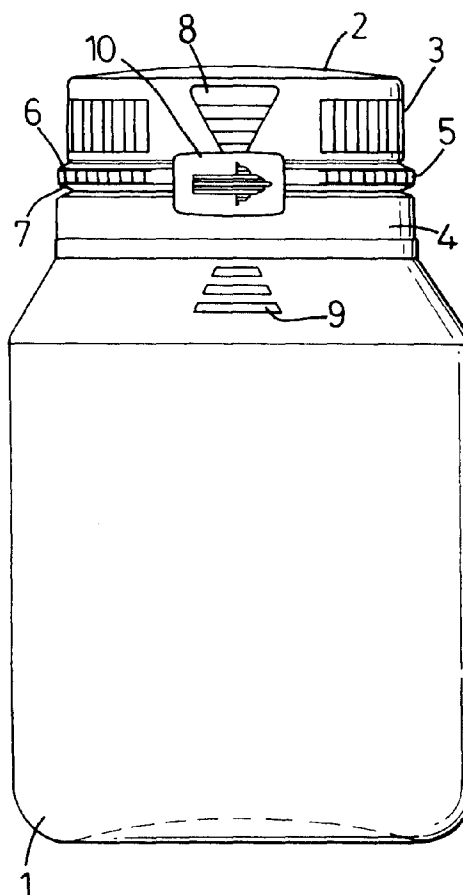


Fig. 1

EP 0 726 208 A3

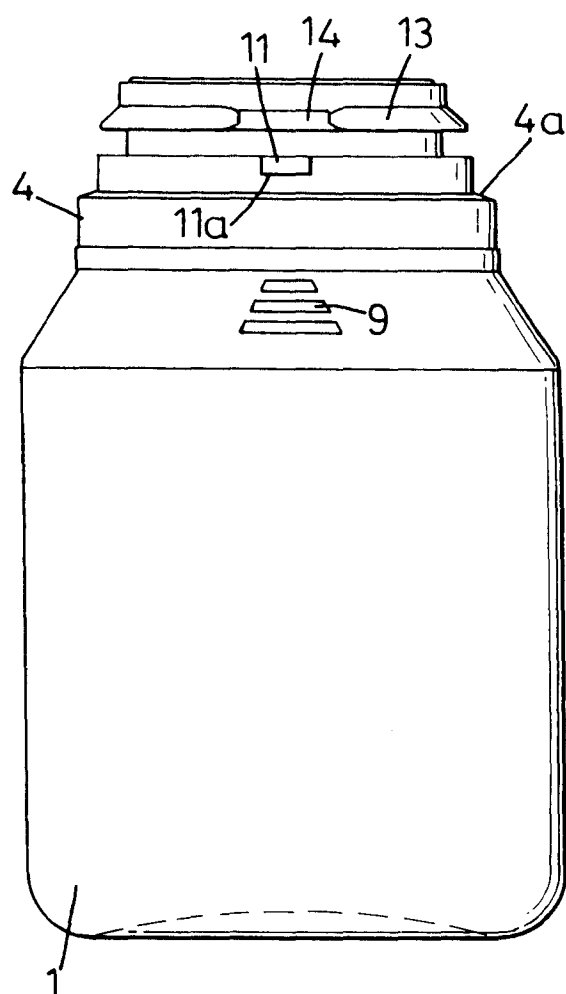


Fig. 3



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EUROPEAN SEARCH REPORT

Application Number
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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)
X	US 4 449 639 A (JOHNSEN & JORGENSEN)	1-8,10,	B65D50/10
A	* the whole document * -----	14,15 9,12	B65D55/08 B65D101/00
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B65D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 March 1997	Examiner Martin, A
<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 I : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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