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(54) **Lightweight child-resistant closure**

(57) A child-resistant container closure (10) includes a base cap (200) having a top (210), a skirt (220), and a plurality of asymmetric teeth (230) recessed in the skirt (220) below the top (210), and a cover cap (100) having a top (110), a skirt (120), and a plurality of asymmetric downwardly extending teeth (130) adjacent to the skirt (120), the teeth being adapted for asymmetric engagement with the base cap teeth (230), the skirt having a plurality of interspersed vertical legs (122) each spaced apart from adjacent legs by vertical openings (124), the legs being joined at a bottom end (126) of the skirt by a support ring (128), the base cap teeth (230) each having a sloped sliding face (236) to ensure that one of the cover cap teeth (130) will drop into a notch between adjacent base cap teeth (230) when the cover cap (100) is rotated in one direction.

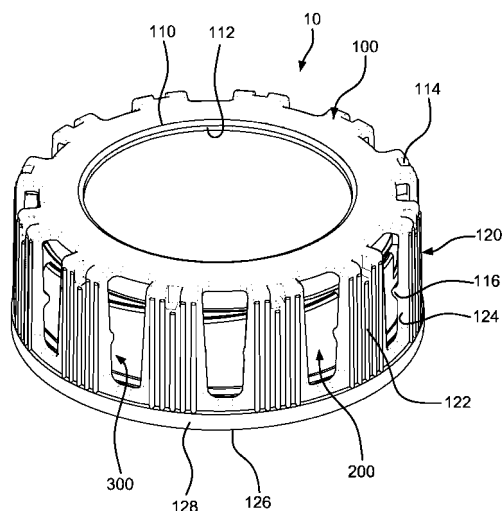


FIG. 1



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 (IPC)
A	GB 2 138 410 A (METAL CLOSURES GROUP PLC) 24 October 1984 (1984-10-24) * page 2, line 37 - page 3, line 23; figures 1-5 *	1-14	INV. B65D50/04
A	WO 98/22362 A1 (METAL BOX PLC [GB]; CARNAUDMETALBOX SA [FR]; CARNAUDMETALBOX NV [NL];) 28 May 1998 (1998-05-28) * page 7, lines 3-25; figures 1-4 *	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			B65D
<p>3 The present search report has been drawn up for all claims</p>			
Place of search Munich		Date of completion of the search 14 February 2011	Examiner Cazacu, Corneliu
<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 & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:
- 1-14
- ☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-14

closure with vertical legs and openings, and

2. claims: 15-19

closure with a particular construction of the base cap teeth

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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14-02-2011

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
GB 2138410	A	24-10-1984	DE	3413964 A1	25-10-1984
WO 9822362	A1	28-05-1998	AU	4956397 A	10-06-1998