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## EUROPEAN PATENT APPLICATION

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### ㉔ Security closure device for containers.

㉔ Improved security closure device for containers of the kind comprising a stopper (1) having a thread (2) for its cooperation with the neck (12) of a container, this neck having in turn a corresponding thread (5), corresponding means being provided on said elements of the stopper and of the neck, which in the operating position of the closure device create a difficulty against the opening, which cannot be overcome by children, essentially characterized in that the stopper body comprises in diametral areas of its internal side wall and in parallel direction some projections (3) decreasing to one of their ends, which in the position of complete screwing of the stopper are facing by their projecting ends against second projections (6) of similar configuration, provided in the external wall of the container neck (12), these two kinds of projections operating as retaining means of which the interaction causes the stopper to be blocked.

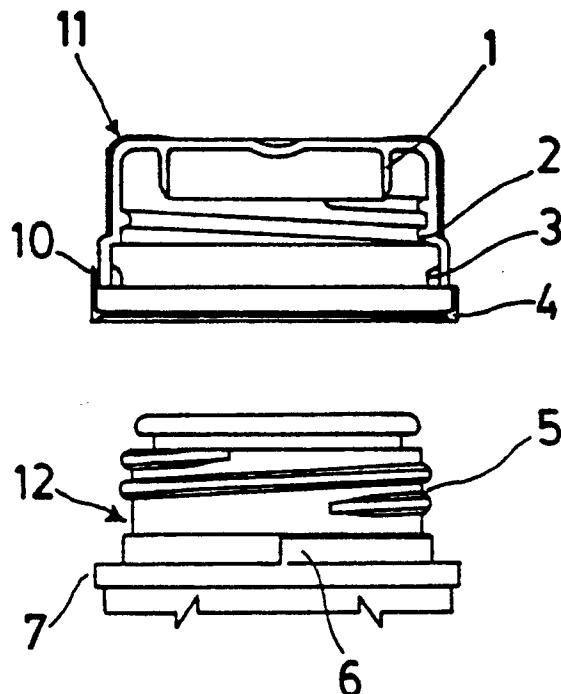


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number

EP 89 87 0135

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                        |                                                                                                                                |                                                                                                                                                                                                                                                                                             | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Category                                                                                                                                                                                                                   | Citation of document with indication, where appropriate, of relevant passages                                                  | Relevant to claim                                                                                                                                                                                                                                                                           |                                               |
| Y                                                                                                                                                                                                                          | AU-B- 484 922 (BRYMAC PLASTICS)<br>* Figures 1-4; page 4, line 9 - page 5,<br>line 20; claim 1 *<br>---                        | 1                                                                                                                                                                                                                                                                                           | B 65 D 55/02<br>B 65 D 41/34                  |
| X                                                                                                                                                                                                                          | AU-B- 462 459 (ACI OPERATIONS LTD)<br>* Figures 3,4; page 2, line 20 - page<br>6, line 22 *<br>---                             | 1                                                                                                                                                                                                                                                                                           |                                               |
| X                                                                                                                                                                                                                          | US-A-4 383 618 (T.R. DOUGHERTY)<br>* Figures 1,3,4; column 2, lines 21-36;<br>column 2, line 66 - column 3, line 11 *<br>----- | 1                                                                                                                                                                                                                                                                                           |                                               |
|                                                                                                                                                                                                                            |                                                                                                                                |                                                                                                                                                                                                                                                                                             | TECHNICAL FIELDS<br>SEARCHED (Int. Cl.5)      |
|                                                                                                                                                                                                                            |                                                                                                                                |                                                                                                                                                                                                                                                                                             | B 65 D                                        |
| The present search report has been drawn up for all claims                                                                                                                                                                 |                                                                                                                                |                                                                                                                                                                                                                                                                                             |                                               |
| Place of search                                                                                                                                                                                                            | Date of completion of the search                                                                                               | Examiner                                                                                                                                                                                                                                                                                    |                                               |
| THE HAGUE                                                                                                                                                                                                                  | 22-10-1990                                                                                                                     | PERNICE, C.                                                                                                                                                                                                                                                                                 |                                               |
| CATEGORY OF CITED DOCUMENTS                                                                                                                                                                                                |                                                                                                                                | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or<br>after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding<br>document |                                               |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another<br>document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |                                                                                                                                |                                                                                                                                                                                                                                                                                             |                                               |