



(11) Publication number : **0 610 904 A3**

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number : **94101954.9**

(51) Int. Cl.⁵ : **B65D 55/10, B65D 43/04, G09F 3/03, // B65D101:00**

(22) Date of filing : **09.02.94**

(30) Priority : **10.02.93 IT VI930018**

(43) Date of publication of application :
17.08.94 Bulletin 94/33

(84) Designated Contracting States :
AT DE ES FR IT

(88) Date of deferred publication of search report :
07.06.95 Bulletin 95/23

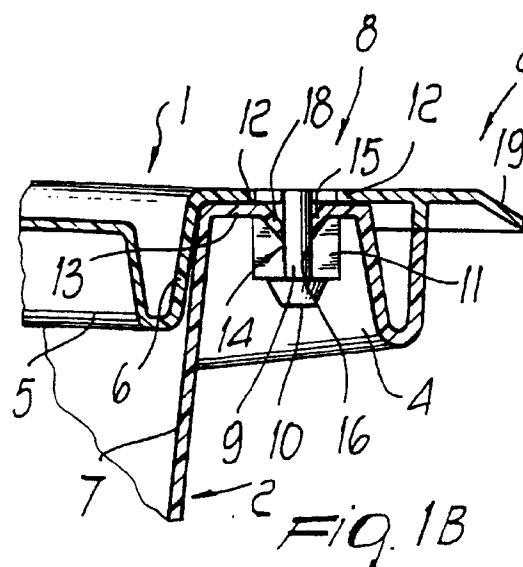
(71) Applicant : **TECNOWERK S.R.L.**
Via Europa, 24
I-36020 Pove del Grappa (IT)

(72) Inventor : **Nussio, Guido**
Via Giorgione 1
I-31020 San Zenone Degli Ezzelini (TV) (IT)

(74) Representative : **Forattini, Amelia**
c/o Internazionale Brevetti
Ingg. ZINI, MARANESI & C. S.r.l.
Piazza Castello 1
I-20121 Milano (IT)

(54) **Closing device, particularly for containers with guarantee seal.**

(57) A closure device, particularly for containers with a seal of guarantee which are formed by a lid (1) and a tray (2) made of plastic materials that can be coupled hermetically together along respective complementarily shaped peripheral edges (3, 4); comprises at least one engagement member (8) that protrudes from one of the edges of the tray (4) or of the lid (3) and can be inserted only in one direction in a corresponding opening (14) formed on the other one of the edges of the lid or of the tray. An engagement member (8) formed on the edge (3) of the lid (1) at a corner or at a protrusion thereof is joined to the edge (3) of the lid with tabs (12) that have a minimum resisting cross-section. The engagement member (8) includes a central pin (9) with an expanded end (10) that is shaped like a bulb or an arrow and from which a series of longitudinal stiffening ribs (11) extends radially; the opening (14) has a flared side wall (15) which is shaped substantially complementarily to the expanded end (10) of the opposite engagement member (8). The closure device has the advantage of high functionality and economy in manufacture.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 94 10 1954

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.5)
P, X	WO-A-93 23306 (TECNOWERK) * the whole document *	1-13	B65D55/10 B65D43/04 G09F3/03 //B65D101:00
X	GB-A-2 239 866 (LAWSON MARDEN) * the whole document *	1-3, 8, 10, 13	
X	EP-A-0 256 253 (SANDHERR PACKUNGEN) * the whole document *	1-3, 8-11	
Y		4, 5	
X	GB-A-2 040 267 (DRG) * the whole document *	1, 2, 8	
Y		4, 5	
A		6, 13	
X	GB-A-2 118 145 (PERIPLAST) * abstract; figures 1-3 *	1, 8	
X	BE-A-899 151 (WOPLA) * page 3, line 17 - line 19; figures 1-3 *	1, 4, 5, 8, 10	TECHNICAL FIELDS SEARCHED (Int.Cl.5) B65D G09F
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 30 March 1995	Examiner Spettel, J
<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 01.92 (P04C01)