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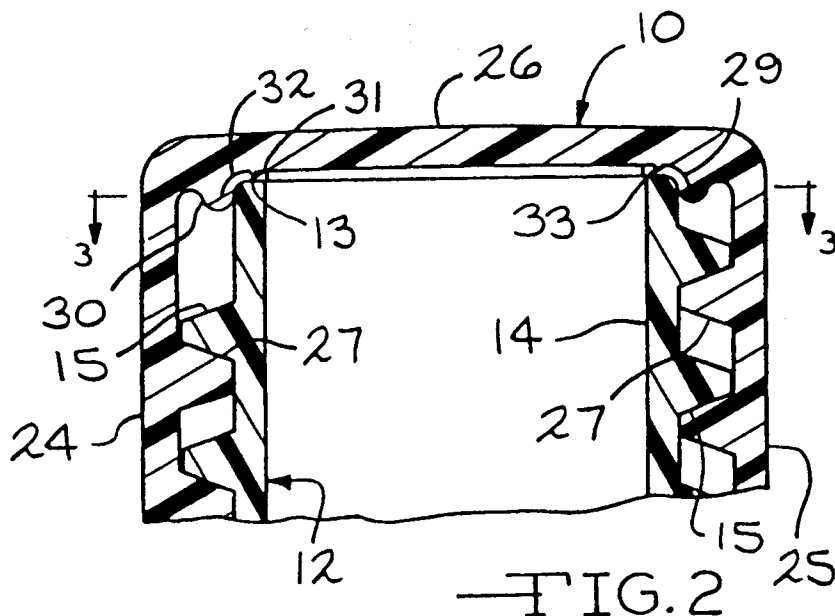
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11.03.92 Bulletin 92/11(71) Applicant: **TREDEGAR MOLDED PRODUCTS
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BOULT, WADE & TENNANT 27 Furnival Street
London, EC4A 1PO(GB)(54) **Threaded closure with integral sealing means.**

(57) A linerless closure (10) for use on a bottle (12) or other container, having a threaded neck (15), has a cylindrical sidewall (25), with mating threads (27), and a top (26). An integral sealing ring (29), including a continuous flexible central member (31), is

mounted below the top. Threading movement between the closure and the container positions the central member between the neck and the top to form a continuous seal.

**EP 0 460 813 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 30 4233

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)
X	WO-A-8 912 584 (M.K. PLASTICS PTY LTD) * The whole document * -----	1-7, 10	B 65 D 41/04
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 65 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-09-1991	Examiner LEONG C.Y.
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			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement 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.
- ☐ 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 has 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, 2-7, 10



LACK OF UNITY OF INVENTION

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

1. Claims 1,2-7,10
2. Claims 8,9

The claims present two inventive concepts (subjects), linked by claim 1:

1) means for forming a continuous seal between a linerless closure and threaded container in the form of a sealing ring.....: Claims 2-7, 10.

2) means for retarding deflection of the top wall of a linerless closure.....: Claims 8,9.

A search of the prior art has revealed WO 89/12584, which anticipates a closure of the type disclosed in claim 1. As claim 1 can no longer be considered novel, there is no further link between the two inventive concepts - lack of unity of invention A POSTERIORI.

The search has been completed for claim 1 and the first inventive concept.