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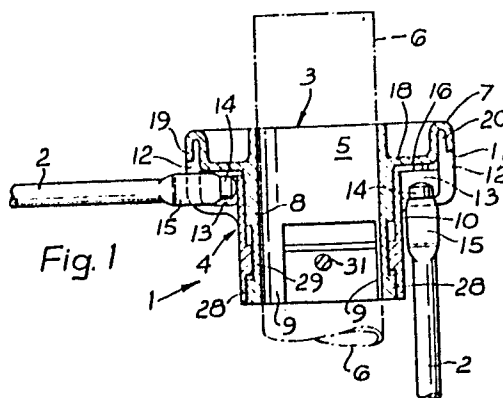
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(54) **Pivot assemblies for umbrella ribs & C.**

(57) A pivot assembly (1) for umbrella ribs or struts (2) comprises a notch (or runner) formed by an inner part (3) with a bore (5) for an umbrella shaft (6) and a flange portion (7) at one end of a body portion (8) the other end of which has two tongues (9), and an outer part (4) having a sleeve portion (10) on the body portion (8) of the inner part (3) and having a flange portion (11) engaging the flange portion (7) of the inner part. Ribs or "barbs" (28) on the tongues (9) prevent the inner part (3) and outer part (4) from being separated after fitting on the shaft (6). Each of a plurality of radial slits (12) in one flange portion (11) leads to a cavity (13) formed between the flange portions, and a knob end (14) of a rib or strut (2) is held captive in the cavity (13) to serve as a pivot as an adjacent flattened portion (15) slides in the slit (12).



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## EUROPEAN SEARCH REPORT

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 86302863.5
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US - A - 904 349 (MOULTON) * Totality * --	1-3, 6, 7	A 45 B 25/06 A 45 B 25/10
A	FR - A - 2 267 064 (GUISEPPE & F.LLO REDAELLI S.P.A.) * Fig. 8, 9 * ----	1-7	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			A 45 B
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 15-04-1987	Examiner NETZER
<b>CATEGORY OF CITED DOCUMENTS</b> 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			