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(54) **Weft feeder for fluid jet looms.**

(57) In a measuring weft feeder for fluid jet looms - equipped with an electromagnetic yarn stopping device (8) comprising at least one electromagnetic coil (12) and a movable core (13) of ferromagnetic material subject to the contrasting actions of said coil (12) and of a return spring (14), so as to move a rod (9), engaging and stopping the yarn at the outlet of the weft feeder, between a withdrawn rest position and a projecting yarn stopping position in which the end of the rod (9) is positioned into a cavity (10) formed for the purpose on the drum periphery (3), close to its free end - the movable core (13) of the yarn stopping device is formed of a substantially cylindrical hollow head (15) of ferromagnetic material and of a cylindrical rod (9) of ceramic material axially positioned into the hollow of the head (15), and the outer surface of the rod (9) and the inner surface of the hollow head (15) are provided with grooves (17,17A,18,18A) along their directrices, while the remaining hollow part between the head and the rod is filled with plastic material (16) which is pressure injected to block the rod (9) into the head (15). According to the invention, the walls of the drum cavity (10) housing the end of the rod (9) of the yarn stopping device - which are positioned according to the generating lines of the drum - are inclined so as to open outwardly wide apart.

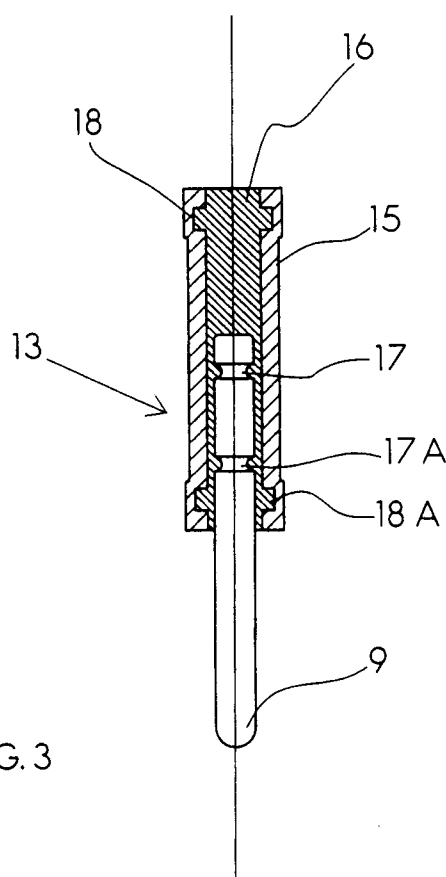


FIG. 3

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EUROPEAN SEARCH REPORT

Application Number

EP 90 12 5045

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)
A	DE-U-8 711 036 (ROJ ELECTROTEX) * page 3, line 31 - page 4, line 33; figure 1 * ---	1,3	D03D47/36
A	EP-A-0 111 308 (NISSAN) * figures 2,6 * ---	3	
A	EP-A-0 344 100 (SULZER) * figures 1,2 * ---	4,5	
A	EP-A-0 043 092 (NISSAN) * figure 1 * ---	4,5	
A	EP-A-0 181 985 (SULZER) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D03D B65H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 MARCH 1992	Examiner BOULEGIER C.H.H.
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			