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(54) **Device for vertically positioning and orienting rod-shaped tubes, in particular conical tubes for textile machines.**

(57) The present invention relates to a device for vertically positioning and orienting rod-shaped elements having different-diameter ends, in particular conical tubes for spinning frames, or analogous machines.

Said device comprises pusher actuators (2), which drive their stems (26) to move in a substantially horizontal direction, tube-supporting plates (10) having an angular shape, each fastened to the end of said stems (26), and frontal contact sensors (16, 18), or similar elements, which are enabled in the presence of the smallest diameter of the rod-shaped conical tube (12).

At least a stationary tube-stop plate (14) is provided, whose frontal position relatively to the contact sensors can be adjusted.

Also the presence is envisaged as well, of one single contact sensor (16) enabled in the presence of the smallest diameter of the rod-shaped conical tube.

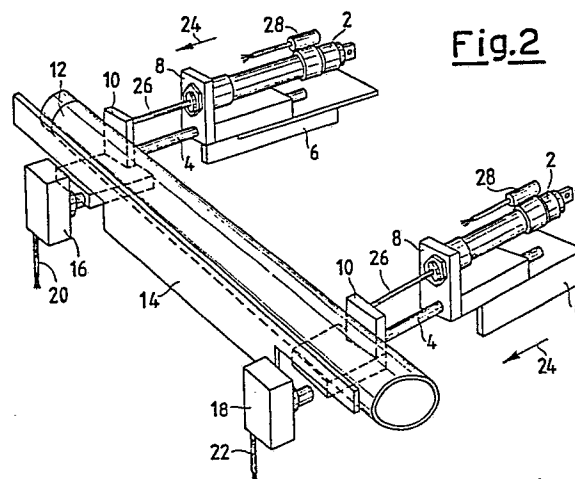


Fig.2



European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 88 20 0061

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.4)
A	EP-A-0 113 125 (OFFICINE MINNETTI) * Claims 1,3; figure 2 *	1	B 65 H 67/06
A	DE-A-2 003 594 (MAREMONT) * Claim 1; figures *	1	
A	EP-A-0 547 775 (RIETER)	2	
A	CH-A- 457 223 (ZINSER)		
A,D	GB-A-1 262 015 (NUOVA SAN GIORGIO)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 65 H D 01 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08-08-1988	Examiner RAYBOULD B.D.J.
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			

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