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EUROPEAN PATENT APPLICATION

21 Application number: **90302056.8**

51 Int. Cl.⁵: **D01H 1/244, D01H 1/34**

22 Date of filing: **27.02.90**

30 Priority: **23.03.89 GB 8906714**

43 Date of publication of application:
26.09.90 Bulletin 90/39

84 Designated Contracting States:
CH DE ES IT LI

88 Date of deferred publication of the search report:
24.04.91 Bulletin 91/17

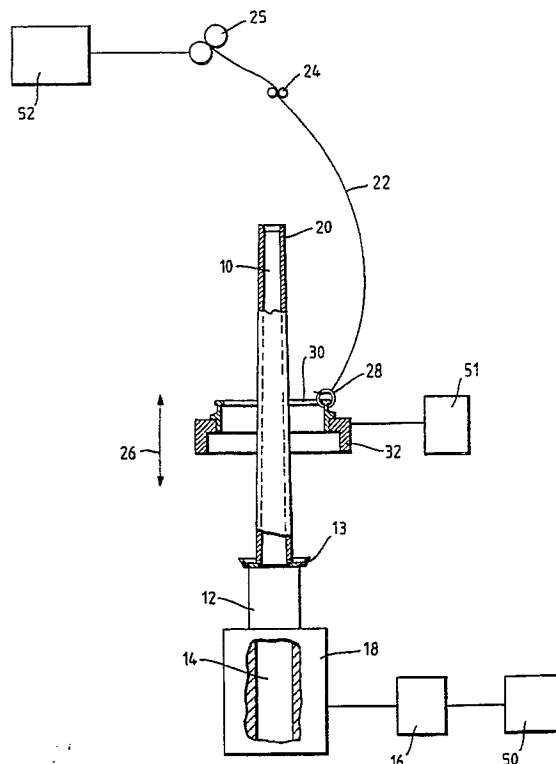
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54 **Ring spinning, ring doubling and ring twisting frames.**

57 A textile machine of the ring spinning, ring doubling and ring twisting type having a switched reluctance spindle drive motor (18) and set up to operate with a variable speed spindle (10) and optionally with variable speed delivery rollers (25) to wind yarn (22) onto a package former (20) in the form of a cop. A global control system (50) is provided to instruct the local unit (16) of the switched reluctance drive motor (18) and possibly also control units (52) of the delivery rollers (25).





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 30 2056

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	GB-A-2 044 302 (ZINSER TEXTILMASCHINEN GmbH) * Page 3, line 130 - page 4, line 3; figure 3 * ---	1	D 01 H 1/244 D 01 H 1/34
A	FR-A-2 542 767 (ZINSER TEXTILMASCHINEN GmbH) * Page 4, lines 23-25; figure 2 * ---	1	
A	DE-A-3 717 749 (ZUBLER GERÄTEBAU GmbH) * Column 4, lines 30-34; figure 1 * ---	1	
A	ENGINEERING, vol. 223, no. 4, April 1983, pages 271-273, London, GB; B. RAY: "Iron meets silicon in new motor" * Page 273, column 2, lines 11-19 * -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
			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 29-01-1991	Examiner FAIRBANKS S.A.
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	