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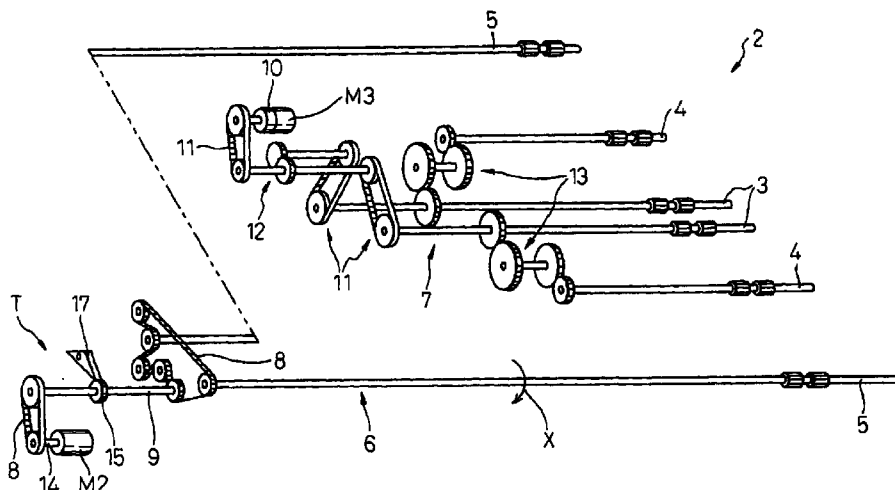
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(54) **Drive device for driving draft rollers in spinning machine**

(57) Spinning machine includes draft rollers 3, 4 and 5 and a drive device for driving the draft rollers. The drive device has a drive unit 6 for driving the front draft roller 5, and a drive unit 7 for driving the back and middle draft rollers 3 and 4. Each drive unit has a variable speed motor M2 or M3 and a transmission mechanism, and the variable speed motor of the drive unit 6 for driving the front draft roller 5 is a synchronous AC motor

having permanent magnets. A reverse rotation preventing device including a ratchet wheel and a pawl is arranged in the drive unit 6 for preventing a reverse rotation of the front draft roller 5, occurring with a reverse rotation of the synchronous motor M2, caused by the action of the permanent magnets in the synchronous motor upon starting the synchronous motor.

Fig.1





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EUROPEAN SEARCH REPORT

Application Number
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Y	* column 2, line 50 * * column 5, line 13 - line 25 * * column 6, line 22 - line 58; figures 1-4 *	4, 5	
Y	US 4 987 734 A (MEYER URS) 29 January 1991 (1991-01-29) * column 3, line 15 - line 30; figures 1, 2 *	4, 5	
A	US 4 332 059 A (BISCHOFBERGER JUERG ET AL) 1 June 1982 (1982-06-01) * column 6, line 17 - line 45 * * column 7, line 64 - column 8, line 38; figures 1-3 *	1-9	
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
			D01H H02K H02P
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 November 2000	Examiner Henningsen, O
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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