

Title (en)

Driving apparatus for flyer and bobbin spindles, in particular for a flyer rovingprocessing long staple fibres

Title (de)

Antriebsvorrichtung für Flügel und Vorgarnspindel, insbesondere für lange Faser verarbeitende Vorspinnmaschinen

Title (fr)

Dispositif de commande des ailettes et des bobines, en particulier pour banc à broches pour fibres longues

Publication

**EP 1029958 B1 20030502 (FR)**

Application

**EP 00440046 A 20000216**

Priority

FR 9902042 A 19990217

Abstract (en)

[origin: EP1029958A1] The control system for a roving frame, with groups of flyers and groups of bobbins, has at least three flyers and bobbins in each group with common drive belts round them powered by motors with drive belts. Two groups of flyers and bobbins are not linked by the common linking belts. A mechanical and/or electronic unit (11) synchronizes the rotary speeds of the flyers (2) and bobbins (4) in each section (1,3). The synchronizing unit (11) is a belt (12) linking the flyer sections (1) and a longitudinal connecting shaft (13) between the ends of the axes of the drive motors (6) for each bobbin section (3). A tensioner can be at the synchronizing belt (9) between flyer sections (1), and at the linkage belt between bobbin sections (3). An additional linkage belt can be between the bobbin sections (3) for synchronizing. The synchronizing unit (11) can also be two belts linking the flyer and bobbin sections (1,3) between themselves, with belt tensioners. The synchronizing between the motors (5,6) can be through two connecting shafts between their axes to drive the flyer and bobbin sections (1,3). The synchronizing shafts are between the return angles at the motor axes.

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