

Title (en)
Yarn processing system

Title (de)
Fadenverarbeitendes System

Title (fr)
Système de traitement de fils

Publication
EP 1215151 A3 20030917 (DE)

Application
EP 01126223 A 20011105

Priority
DE 10054688 A 20001103

Abstract (en)
[origin: DE10054688A1] The yarn feed system for a textile machine, as a loom to take intermittent weft lengths for insertion or a knitter, has a bobbin holder (H) with a hollow spindle (7) aligned at the opening (8) of the feed channel directly at the housing (1) of the yarn feed unit (F). The bobbin spindle projects from the rear side (R) of the housing, along the line of the feed channel and against the yarn feed direction. The yarn feed system, for a textile machine, has the bobbin holder directly at the opening into the rear side of the yarn feed housing. The spindle is a coaxial extension of the yarn store winding shaft (L), with a yarn feed opening at a gap from the entry into the channel which is at least the length of the carried bobbin (B). An external mounting at the end of the spindle holds the bobbin core sleeve (6) in place. The bobbin holder is in a U-shaped structure, with an opening in each leg for the bobbin spindle to pass through, within a spindle holding block and with a spindle clamping screw. The bobbin sleeve mounting is at least one holder as a cogwheel with clamping blades with elastic distortion, to sit on the bobbin spindle, preferably with longitudinal adjustment. With two cogwheel holders, the outer holder is of a smaller diameter than the inner holder. A bobbin covering disk is on the spindle, near the feed opening, with a conical or convex deflection surface. A brake hub is on the spindle. between the covering disk and the yarn feed opening. The brake hub has a seating and a holding bead for a yarn brake, preferably a straw ring. A yarn guide eyelet is in the yarn feed opening at the spindle. A holding bush for the brake hub and the covering disk is on the spindle, with longitudinal movement for position adjustments. Its outer diameter is significantly smaller than the outer diameter of the adjacent holder. The holding bush has a carrier surface with a limit stop for the bobbin covering disk, and a ratchet lock at the end side to engage a ratchet at the brake hub.

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Citation (search report)
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