Title (en)

METHOD AND APPARATUS FOR CONTROLLING PIECED YARN IN AN OPEN-END SPINNING UNIT

Publication

**EP 0291710 B1 19920122 (DE)**

Application

**EP 88106282 A 19880420**

Priority

DE 3716728 A 19870519

Abstract (en)

[origin: US4825632A] A open-end spinning assembly includes a silver insertion device, a fiber separating device, a fiber guide device, a fiber collector for collecting, aligning and imparting a rotational movement onto fibers and subsequently applying the fibers to an open yarn end, and a draw-off device drawing-off yarn from the yarn collector. A fed-back yarn end is applied to a piecing fiber quantity fed into fiber collector for forming a piecer. The yarn is continuously drawn-off from the fiber collector and fibers and continuously fed into the fiber collector. A method for monitoring the piecers includes automatically measuring diameter values relative to the longitudinal axis of the yarn for the piecer and for yarn lengths upstream and downstream of the piecer having at least substantially the length of the piecer. The diameter values are electronically stored in memory and compared with comparison values for producing a comparison result. Intervention options are derived from the comparison result for improving future piecers and especially for improving the piecer profile. A piecer monitoring device includes a first device for automatically measuring the diameter values. A second device electronically stores the measured diameter values relative to length in memory. A third device compares the measured diameter values relative to length with comparison values. A fourth device derives intervention options for improving the piecer profile of future piecers.

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IPC 8 full level

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**EP 0291710 A1 19881123**; **EP 0291710 B1 19920122**; DE 3716728 A1 19881201; DE 3867901 D1 19920305; JP 2716455 B2 19980218; JP H01156520 A 19890620; US 4825632 A 19890502

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