

Title (en)

OPEN-END SPINNING MACHINE, DRIVING PROCESS THEREOF AND CONTROL UNIT

Title (de)

OFFENEND-SPINNMASCHINE SOWIE VERFAHREN UND STEUEREINRICHTUNG ZUM BETREIBEN EINER SOLCHEN OFFENEND-SPINNMASCHINE

Title (fr)

MÉTIER À FILER À BOUT LIBRE, PROCÉDÉ DE CONTROLE DE CE MÉTIER À FILER ET UNITÉ DE CONTROLE

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Application

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Abstract (en)

[origin: WO2021083985A1] The invention relates to an open-end spinning machine (1), comprising a plurality of workstations (2). Each workstation has a spinning apparatus (3) for producing a thread (7), a thread draw-off device (25) for drawing off the thread (7) from the spinning apparatus (3), a storage nozzle (26) for temporarily storing the thread (7), a winding apparatus (4) for producing a cross-wound bobbin (8), and a suction nozzle (14), to which negative pressure can be applied. The open-end spinning machine (1) is equipped with at least one service unit (16), which serves a plurality of the workstations (2) and has an auxiliary-thread delivery device (21) for delivering an auxiliary thread (24) and an auxiliary-thread draw-off (28), which are used in a piecing process at a workstation (2) to be served, in particular in the course of a cross-wound bobbin/empty tube exchange. The invention is characterized in that the auxiliary-thread draw-off (28) is designed in such a way and can be operated in such a way that the auxiliary-thread draw-off speed (AVS) of the auxiliary-thread draw-off (28) for drawing off the pieced auxiliary thread (24) has a speed offset, which takes into account the thread draw-off speed (AVA) of the thread draw-off device (25) and at least one additional correction factor.

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