

Title (en)
UNIT FOR TRANSPORTING WOUND BOBBINS

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Application
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Abstract (en)
[origin: US4351494A] A bobbin transport apparatus and method is provided which is adapted for use with a textile yarn processing machine having a plurality of yarn winding stations along at least one side thereof. The transport apparatus includes a movable carriage having a mandrel for receiving the full bobbins from the winding station of the processing machine, and quality control means for measuring a number of physical characteristics of each full bobbin received thereon. The quality control measurements may be performed concurrently with the transport of the bobbins to a remote creel, and the measurements are fed to a computer where an immediate determination is made as to whether the measured quality characteristics fall within accepted tolerance limits. The computer may also be employed to calculate additional quality control related characteristics, such as yarn denier and bobbin wind tightness, from the directly measured characteristics. The apparatus may further include a printer mounted on the carriage for printing the measured or calculated quality characteristics on a label or directly onto each bobbin.

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Cited by
DE3707553A1; DE20218115U1; DE3336529A1; DE3707552A1; EP0198260A3; EP0618166A1; US5399815A; CN107720438A; CN113518753A; DE3712654A1; US4843808A; DE3928417A1; DE3716473A1; US4828191A; DE3527473A1; WO2020178160A1

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