Title (en)
METHOD FOR AUTOMATIC CLEARING OF FULL BOBBINS ON A BISECTIONAL TEXTILE MACHINE, ESPECIALLY A WINDING-, SPINNING- OR TWISTING MACHINE

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EP 0393363 B1 19930908 (DE)

Application
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Priority
DE 3912513 A 19890417

Abstract (en)
[origin: EP0393363A1] A method for the automatic clearing of the full bobbins of a bisectional textile machine, especially a winding, spinning or twisting machine on random exchange by means of at least one automatic manipulator (7R,7L) guided along the longitudinal sides of the machine and for depositing the cleared run-off bobbins (3) onto a periodically movable conveyor band (5) common to the two machine sides, arranged in the longitudinal centre of the machine and followed by a buffer zone (6). The manipulator (7R,7L) checks at each point (5.8, 5.5) of a due bobbin change, before the transfer of a full bobbin (3.8R, 3.5L) to the conveyor band (5), whether the conveyor band is free or is already occupied by a full bobbin at this point. In the event of occupation, the manipulator (7R,7L) sends to the conveyor-band drive (8) a control signal, by means of which the conveyor band (5) is periodically moved further until a free position on the conveyor band is reached at this point. As soon as the buffer zone (6) is completely filled with full bobbins (3'), an overriding monitoring device (12) emits an alarm signal which triggers a clearing operation for the conveyor band (5). A degree of utilisation of more than 50 % of the conveyor band can be achieved with the method. <IMAGE>

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