

Title (en)
YARN CHANGING METHOD

Title (de)
FADENCHANGIERUNG

Title (fr)
CHANGEMENT DE FIL

Publication
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Application
EP 99923364 A 19990610

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Abstract (en)
[origin: WO9965810A1] The invention relates to a yarn-guide of a winding frame (1), which has the form of a pointer, hereafter referenced to as a pointer, and which is reduced in weight and shape towards its free end in order to enable a change of yarn (F) within a traverse yarn winding (H) at a high speed. In a preferred embodiment, a polynomial of at least one degree is used. In addition, the yarn is guided on a guide plate (6). The motor (8) is controlled by a control unit (12) so that the pointer (7) can be used for guiding the yarn (F) within the traverse yarn winding (H). Also, when the pointer stops in a position (C) within the traverse yarn winding (H) an end bead is formed on a ready-made spool and, when the pointer stops in a position (A or B) outside the limits of the traverse yarn winding (H), the yarn is grasped in position (A) by a new core when it is drawn in (8) during changing of the spool, whereas in position (B) the yarn is wound on said core to form a yarn reserve winding before it is driven back once again within the traverse (H) by the pointer. The control unit and the motor co-operate to reverse the pointer at a selected reverse point. For that purpose, a reverse means operates in a contactless manner, e.g. electromagnetically.

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