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(54) Title: WARP KNITTING LOOM, IN PARTICULAR CROCHET GALLOON MACHINE

(54) Bezeichnung: KETTENWIRKMASCHINE, INSBESONDERE HÄKELGALONMASCHINE

(57) Abstract

The invention relates to a warp knitting loom with individually driven guide bars (2) that are controlled by a control device (36). A linear motor (14) is used, resulting in a particularly space-saving and flexible driving apparatus. This motor has at least two driving elements (28) which are each connected to a guide bar (2) and can move back and forth in a common stator (20) with a closed magnetic circuit (52). Each driving element (28) has at least one drive coil (32) which is connected to the control device (36) and whose winding plane is transversal to the magnetic flux.

(57) Zusammenfassung

Bei einer Kettenwirkmaschine mit individuell antreibbaren und mittels einer Steuervorrichtung (36) steuerbaren Legebarren (2) wird ein besonders platzsparender und flexibler Antrieb durch einen Linearmotor (14) erreicht. Dieser weist mindestens zwei jeweils mit einem Legebarren (2) verbundene Antriebsglieder (28) auf, die in einen gemeinsamen Stator (20) mit einem geschlossenen Magnetkreis (52) hin- und herbewegbar sind. Pro Antriebsglied (28) ist mindestens eine mit der Steuervorrichtung (36) verbundene Antriebsspule (32) vorhanden, deren Wickelebene quer zum Magnetfluss ausgerichtet ist.

