

Title (en)

Warp threads tensioning device for a loom and loom with such a device

Title (de)

Vorrichtung zum Spannen von Kettfäden für eine Webmaschine und Webmaschine mit einer solchen Vorrichtung

Title (fr)

Dispositif de tension des fils de chaîne pour métier à tisser et métier à tisser avec un tel dispositif

Publication

**EP 0937796 A1 19990825 (DE)**

Application

**EP 98810131 A 19980218**

Priority

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Abstract (en)

The warp tensioner, at a loom, has a carrier (5) with a number of tensioners (7) for the warps, together with a drive (8). The drive (8) has a motor (9) and a kinetic chain linked to the carrier (5) so that the force transmission into the carrier (5) is symmetrical to its longitudinal line in a swing and/or translatory movement. The drive (8) has an open kinetic chain, linked to the carrier (5) to transmit the force symmetrically according to the position of the warps and the warp width. The motor (9) is connected to the chain to operate the carrier (5) in cycles. The kinetic chain has a crank drive (14) linked to the motor (9) and the carrier (5). An intermediate member is parallel to the carrier (5), with parallel links to the crank drive (14) and the carrier (5). A second intermediate member, parallel to the carrier (5), is between the first member and the carrier with parallel links to the first intermediate member and the carrier. The crank drive (14) has an adjustment to set its eccentricity. A control operates the motor (9) according to the start-up time, the running time and/or the torque within a weaving cycle. The carrier (5) is held in a holder, to give the carrier a vertical movement through a drive. The warp tension control is integrated into the loom control unit. An Independent claim is also included for a weaving machine using the warp tensioner.

Abstract (de)

Die Vorrichtung weist ein Tragelement (5), ein darauf mehrfach abgestütztes Spannelement (7) für die Kettfäden, welches Spannelement um die Achse des Tragelementes schwenkbar ist und eine Antriebsvorrichtung (8) auf, die mit dem Tragelement antriebsverbunden ist. Die Antriebsvorrichtung (8) besteht aus einem Motor (9) und einer kinematischen Kette, die mit dem Tragelemente (5) verbunden ist, derart, dass die Krafteinleitung in das Tragelement im wesentlichen symmetrisch bezüglich seiner Längserstreckung erfolgt. <IMAGE>

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**D03D 49/12**

IPC 8 full level

**D03D 49/12** (2006.01)

CPC (source: EP US)

**D03D 49/12** (2013.01 - EP US)

Citation (search report)

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