

Title (en)

Heald and heald frame for weaving loom

Title (de)

Litze und Litzen-Rahmen für Webstuhl

Title (fr)

Lisse et cadre à lisses pour métier à tisser

Publication

**EP 1433883 A1 20040630 (FR)**

Application

**EP 03356211 A 20031223**

Priority

FR 0216661 A 20021224

Abstract (en)

The heddle (3) for a loom (M) having at least one heddle frame (2) with two cross-members (22, 22') for attaching the heddle to has a coupling on each end with at least two thrust sections (33g, 33j) that engage simultaneously with corresponding surfaces (23g, 23j) on a traction bar (23) attached to one of the cross-members. The thrust sections are offset relative to one another on a line parallel to the heddle's lengthwise axis. The heddle coupling with the thrust surfaces has two branches (331, 332) enclosing a space (V33) to receive the traction bar, each of the branches having at least one tooth (33a, 33b, 33c, 33d) equipped with the thrust sections. Depending on the number of teeth, they can either face one another or be staggered, and in variants of the design the couplings can have different shapes, e.g. U-shaped, C-shaped or in a closed loop.

Abstract (fr)

La lisse (3) est pourvue au niveau de chacune de ses extrémités (33) d'au moins deux sections (33g-33j) d'appui simultané sur des surfaces correspondantes (23g- 23j) ménagées sur une barrette de traction (23) solidaire d'une traverse (22) d'un cadre de lisses. Ces sections (33g-33j) et ces surfaces (23g-23j) permettent la transmission d'un effort de traction (T) exercé par l'une des traverses (22) sur la lisse (3). Elles sont décalées selon une direction globalement parallèle à un axe longitudinal (X3) de la lisse et à un axe (X21, X21') des montants du cadre. <IMAGE>

IPC 1-7

**D03C 9/00; D03C 9/02; D03C 9/06**

IPC 8 full level

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CPC (source: EP US)

**D03C 9/02** (2013.01 - EP US); **D03C 9/0633** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0072449 A1 19830223 - NISSAN MOTOR [JP]
- [AD] DE 1535847 A1 19700702 - GROB & CO AG
- [A] WO 9726396 A1 19970724 - PICANOL NV [BE], et al

Cited by

US10422027B2

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