

Title (en)

MECHANISM FOR CONTROLLING THE RECIPROCATING MOVEMENT OF WEFT CARRYING GRIPPERS IN A WEAVING LOOM

Title (de)

MECHANISMUS ZUR STEUERUNG DER HIN- UND HERBEWEGUNG VON SCHUSSFADENGREIFERN IN EINER WEBMASCHINE

Title (fr)

MÉCANISME PERMETTANT DE COMMANDER LE MOUVEMENT DE VA-ET-VIENT DE PINCES PORTE-TRAME DANS UN MÉTIER À TISSER

Publication

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Application

EP 16734734 A 20160518

Priority

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Abstract (en)

[origin: WO2016189429A1] Control mechanism of the grippers in a shuttleless weaving loom, of the type comprising a slider (3) provided with reciprocating rectilinear movement, a variable-pitch worm screw (5) drawn by such slider (3) into a reciprocating rotary movement, a toothed gear (D) coaxial and integral with said variable-pitch worm screw (5), and perforated flexible straps (N) which engage on one end with the teeth of said gear and which control, with the opposite end, said grippers. The movement from said slider (3) to the variable-pitch worm screw (5) is transferred through a coupling comprising multiple pairs of opposite sliding blocks (P, 6), slidable on the opposite lateral surfaces of the threads of said variable-pitch worm screw (5), the sliding blocks (6) of each pair being integral to each other and with a common support pivoted idle on the slider (3) according to an axis (Z) orthogonal to the axis (H) of the variable-pitch worm screw (5).

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

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