

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

**EP 3298185 B1 20190605 (EN)**

Application

**EP 16734734 A 20160518**

Priority

- IT UB20150830 A 20150522
- IB 2016052904 W 20160518

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

**D03D 47/27** (2006.01)

CPC (source: CN EP)

**D03D 47/275** (2013.01 - CN EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2016189429 A1 20161201**; CN 107820525 A 20180320; CN 107820525 B 20190215; EP 3298185 A1 20180328; EP 3298185 B1 20190605; HK 1251628 A1 20190201; HK 1251628 B 20191129; IT UB20150830 A1 20161122; JP 2018522146 A 20180809; JP 6751413 B2 20200902

DOCDB simple family (application)

**IB 2016052904 W 20160518**; CN 201680037795 A 20160518; EP 16734734 A 20160518; HK 18111041 A 20180828; IT UB20150830 A 20150522; JP 2017560688 A 20160518