Title (en)

Harness cord fixing method, shedding mechanism and weaving loom

Title (de)

Verfahren zum Befestigen einer Harnischkordel, Fachbildungsvorrichtung und Webmaschine

Title (fr)

Procédé de montage d'un élément funiculaire, dispositif de la foule et métier à tisser

Publication

EP 0933456 B1 20010725 (FR)

Application

EP 98420238 A 19981217

Priority

FR 9716739 A 19971224

Abstract (en)

[origin: FR2772796A1] To assemble a loom harness cord unit, at least one end (3a) of the cord (3) is attached to a pulley wheel (2) which is powered by the rotor (6,7) of an electromotor (1). A release mounting secures the cord to the actuator assembly. The end (3a) of the cord (3) is attached in a release fitting to one section of the mounting, which is secured in a release locking action to a fixed section at the motor rotor (6,7). An Independent claim is included for a mechanism to operate the loom harness cords, where an end (3a) of the harness cord (3) is secured to the pulley wheel (2) in a release mounting. The pulley wheel (2) is rotated by the rotor (6,7) of an electromotor (1). A section of the pulley wheel (2) has an accommodation for the cord end (3a), and a second pulley wheel section is bonded to the rotor (6,7). The two pulley wheel sections are locked together, in a release fitting, with an elastic lock at the fixed section to secure the removable first section. The lock between the pulley wheel sections can be eased, to give an adjusted relative position between them. The first pulley wheel section forms the pulley flange. Both ends of the cord can be attached to different pulley wheel sections, so that one exerts a cord winding action to give cord tension, while the other gives a cord unwinding action. Or both ends of the cord are attached to a common winding zone. The cord has one stretch for the warp position, and the other stretch crosses the warps between the winding and unwinding pulley wheel sections. The pulley wheel (2) is keyed to the rotor (7) of the motor (1) by an adhesive, wedges or a force fit. The pulley has a spiral groove, to guide the cord during winding. The pulley wheel sections are aligned by the polarities of magnetic units (4-6) of the motor (1), in a regular or irregular distribution.

IPC 1-7

D03C 3/20; D03C 13/00

IPC 8 full level

D03C 3/20 (2006.01); **D03C 13/00** (2006.01)

CPC (source: EP KR US)

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Cited by

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Designated contracting state (EPC)

BE CH DE ES FR GB IT LI PT

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