

Title (en)

Device for controlling a flexible rapier and shuttle loom including at least one such device

Title (de)

Vorrichtung zur Betätigung eines flexiblen Webschützen und Webmaschine, die mindestens eine solche Vorrichtung integriert

Title (fr)

Dispositif de commande de lance flexible et métier à tisser incorporant au moins un tel dispositif

Publication

EP 1903133 B1 20090722 (FR)

Application

EP 07356123 A 20070921

Priority

FR 0608343 A 20060922

Abstract (en)

[origin: EP1903133A1] Device for controlling a flexible lance for a weaving loom comprises a toothed drive wheel that engages with a pinion; a toothed part that cooperates with the pinion to rotate the toothed wheel; a crown wheel that executes one turn per weft pick to drive the toothed part by means of a connecting rod linked to the crown wheel and to the component with the toothed part. The rotational axis of the crown wheel is located between upper and lower parts of the tooth structure of the toothed wheel. Device for controlling a flexible lance for a weaving loom comprises a toothed drive wheel whose rotational axis is parallel to the warp axis and which engages with a pinion; a toothed part that cooperates with the pinion to rotate the toothed wheel; a crown wheel that executes one turn per weft pick about an axis perpendicular to the rotational axis of the toothed wheel to drive the toothed part by means of a connecting rod linked to the crown wheel and to the component with the toothed part about two axes parallel to the weft insertion axis. The rotational axis of the crown wheel is located between upper and lower parts of the tooth structure of the toothed wheel. An independent claim is also included for a weaving loom equipped with a control device as above.

IPC 8 full level

D03D 47/27 (2006.01)

CPC (source: EP)

D03D 47/272 (2013.01); **D03D 47/275** (2013.01); **D03D 47/276** (2013.01)

Cited by

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EP 1903133 A1 20080326; **EP 1903133 B1 20090722**; CN 101148799 A 20080326; CN 101148799 B 20111123; DE 602007001650 D1 20090903; FR 2906266 A1 20080328; FR 2906266 B1 20081219

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