

Title (en)
Cutting device for looms

Title (de)
Schneideinrichtung in Webmaschinen

Title (fr)
Dispositif de coupe pour métiers à tisser

Publication
EP 0937798 A1 19990825 (DE)

Application
EP 99101919 A 19990129

Priority
DE 19806953 A 19980219

Abstract (en)
The cutting mechanism at a loom has a swing body (18) with a fitted cutting blade carrier (2). The electromotor (4) for the drive operates the moving cutting blade (5), in a swing movement round the center axis (6a) of the blade bolt (6). The cutting unit also has a fixed blade (3). A rotary axis (7), fixed to the machine, is at a gap from the blade bolt (6) for the sprung cutting unit (1) to swing round its center axis (7a) on the plane of the woven fabric (8) supported at the spreader (16). A sprung guide for the cutter (1) is held in contact with the selvage of the woven fabric (8), held at a fixed part (2,3) of the cutter (1) and at a gap from the blade bolt (6). The fixed part of the cutter is the blade carrier (2) or the fixed cutting blade (3). The sprung guide has a U-shaped profile (9a) and a pin (9b) carried at an end side of the profile. The cutter (1) swings round the center axis (7a) of the rotary axis (7) between limits at the fabric side and the catch side. The limit at the fabric side is at a gap from the cutter (1) which equals the maximum fabric contraction after the spreader (16). A spring is at the grip surface away from the rotary axis (7), to act on the cutter (1) and the guide. The spring force on the cutter is adjustable. The pin (9b) is held (10) at the blade carrier (2). The center axis (10a) of the pin holder (10) is set at the blade carrier (2) so that the guide is in contact with the selvage after the cutting point of the blades (3,5). The position of the guide can be set in relation to the fabric selvage.

Abstract (de)
Der Erfindung liegt die Aufgabe zugrunde, unabhängig vom Einsprungsverhalten der Gewebekanten einer auf Webmaschinen herzustellenden Gewebebahn, eine neben der Gewebekante liegende Schnittkante zu realisieren, die dem Verlauf der Gewebekante entspricht. Die Aufgabe wird erfindungsgemäß dadurch gelöst, dass an einem feststehenden Teil (2;3) der Schneideinrichtung (1) beabstandet von dem Klingenbolzen (6) ein mit der Kante (8a) der Gewebebahn (8) federbelastet in Kontakt stehendes Führungselement (9) zum Führen der Schneideinrichtung (1) angeordnet ist.
<IMAGE>

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D03D 49/70; **D03J 1/08**

IPC 8 full level
D03J 1/00 (2006.01); **D03D 49/70** (2006.01); **D03J 1/08** (2006.01)

CPC (source: EP US)
D03D 49/70 (2013.01 - EP US); **D03J 1/08** (2013.01 - EP US)

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