

Title (en)

Device to guide the rapiers in a gripper loom.

Title (de)

Vorrichtung zum Führen der Greiferstangen an einer Greiferwebmaschine.

Title (fr)

Dispositif pour guider les lances dans un métier à pinces.

Publication

EP 0312031 A1 19890419 (DE)

Application

EP 88116963 A 19881012

Priority

BE 8701166 A 19871012

Abstract (en)

[origin: US5033516A] Device for guiding the rapier rods in a rapier loom, comprising several rapier guides. The first rapier guide supports the rapier rod heads and consists of guide tables which are adjustably mounted on an adjustable bracket, which in turn is adjustably mounted on an adjustable carrier structure. The carrier structure is adjustably mounted on a suspension bar and the suspension bar is adjustably mounted on the rapier guide housing. The second rapier guide consists of a number of rollers which guide the back of the rapier rods and position the rapier rods relative to the vertical shaft of the drive gear wheels. These rollers are provided in a roller frame, and these rollers can be set and fixed in a vertical and horizontal direction perpendicular to the rapier rods. The roller frame is adjustably mounted to the rapier guide housing. The third rapier guide consists of profile guides which are accommodated so that they are adjustable in height in a U-section. The U-section is fixed against the rapier guide housing. The rapier guide housing is mounted on a boss so that it is adjustable about a center line which coincides with the center line of the shaft of the drive gear wheels and allows the rapier guide housing to be set and fixed in different directions on the frame of the loom, so that the rapier guide housing coordinates these three guides so that they function as one unit.

Abstract (de)

Vorrichtung zum Führen der Greiferstangen an einer Greiferwebmaschine, bei der die Antriebszahnräder 3 der Greiferstangen 2 in einer im wesentlichen horizontalen Fläche liegen, bestehend aus mehreren Führungshilfsmitteln 5, 6, 7, die an einer der beiden Seiten der und/oder gegenüber den Antriebszahnrädern 3 vorgesehen sind, dadurch gekennzeichnet, daß die zueinander einstellbaren Führungshilfsmittel 5, 6, 7 zu einer einzigen Einheit zusammengesetzt sind, die an der Webmaschine einstellbar, vorzugsweise um eine Achse drehbar angeordnet ist, die mit der Drehachse der Antriebszahnräder 3 zusammenfällt.

IPC 1-7

D03D 39/16; **D03D 47/27**

IPC 8 full level

D03D 47/27 (2006.01)

CPC (source: EP US)

D03D 47/273 (2013.01 - EP US); **D03D 47/275** (2013.01 - EP US); **D03D 47/277** (2013.01 - EP US)

Citation (search report)

- [A] FR 2320371 A1 19770304 - ALSACIENNE CONSTR MECA [FR]
- [A] FR 1555432 A 19690124

Cited by

CN1041225C; CN103306016A; EP1288358A1; BE1014950A3; EP0482722A3; BE1004622A3; US5183083A; BE1028436B1; US6988516B2; US12012674B2; WO2021260490A1

Designated contracting state (EPC)

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EP 0312031 A1 19890419; **EP 0312031 B1 19921216**; BE 1000994 A3 19890530; DD 283167 A5 19901003; DE 3876743 D1 19930128; ES 2036652 T3 19930601; US 5033516 A 19910723

DOCDB simple family (application)

EP 88116963 A 19881012; BE 8701166 A 19871012; DD 32062288 A 19881011; DE 3876743 T 19881012; ES 88116963 T 19881012; US 47241090 A 19900131