

Title (en)

Guide element for a gripper transport element of a loom

Title (de)

Führungselement für ein Greifertransportelement einer Webmaschine

Title (fr)

Élément de guidage pour un élément de transport de poignée d'une machine à tisser

Publication

EP 2372001 B1 20150701 (DE)

Application

EP 11168823 A 20051005

Priority

- EP 05797775 A 20051005
- DE 102004049256 A 20041005

Abstract (en)

[origin: EP2372001A1] Guidance surfaces (14-18) of the guidance component (10), and its open enclosure (13) are associated with a shuttle transport rail (19). The open enclosure (13) has a projection (41) matching a long groove in the underside of the rail (19). At the open side, a further projection (20) has an upper surface (40) forming a guide for the rail. This (40) is below the upper edge (42) of the projection (41). The projection is a peak directed away from the enclosure. The upper edge (43) of the projection (20), which serves as a guide, runs to the guide (14) on the underside of the shuttle carrier (19). Below the projection (20) a rounded edge transitions with milled surfaces into side flanks of the guide component. The guide component has a region (12) for penetration into a shed. This has a flat, plate-like form, with its thickness decreasing toward the open side. The guide component has a rounded upper edge (23). The highest point (24) of this edge is located in the region above the open side of the enclosure. The upper edge includes an obtuse angle near the highest point. The section running from the highest point of the upper edge to the open side of the enclosure, is at about 45[deg] to the guide surfaces of the guide section lying opposite. Further details and variations of the guidance sections are provided.

IPC 8 full level

D03D 47/27 (2006.01)

CPC (source: EP)

D03D 47/277 (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2372001 A1 20111005; EP 2372001 B1 20150701; AT E512240 T1 20110615; CN 101035940 A 20070912; CN 101035940 B 20120104; DE 102004049256 A1 20060406; DE 102004049256 B4 20140102; EP 1799896 A1 20070627; EP 1799896 B1 20110608; WO 2006037619 A1 20060413

DOCDB simple family (application)

EP 11168823 A 20051005; AT 05797775 T 20051005; CN 200580033786 A 20051005; DE 102004049256 A 20041005; EP 05797775 A 20051005; EP 2005010705 W 20051005