

Title (en)

Supporting and guiding device for mechanical weft inserters in shuttleless looms.

Title (de)

Führungsvorrichtung für Schussfadeneintragsorgane für eine schützenlose Webmaschine.

Title (fr)

Dispositif de support et de guidage pour organes d'insertion mécanique de la trame, dans une machine à tisser sans navette.

Publication

EP 0402285 A1 19901212 (FR)

Application

EP 90420270 A 19900605

Priority

FR 8908142 A 19890609

Abstract (en)

The device (4) ensures the support and guidance of insertion members (2), such as pipes or bands, displaced alternately and exchanging the weft at the centre of the width of the fabric. In the central exchange zone there are components (14, 15) comprising hook-shaped parts (16, 17) for the guidance of each insertion member (2) by its edges, and a bearing surface (18) which absorbs the forces for the control of the opening of the gripper located at the end of this insertion member (2). Moreover, the hooks (16, 17) set the warp yarns apart, so as to prevent them from being jammed between the insertion member (2) and the bearing surface (18). <IMAGE>

IPC 1-7

D03D 47/18; **D03D 47/27**

IPC 8 full level

D03D 47/27 (2006.01); **D03D 47/18** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [A] EP 0165327 A1 19851227 - SULZER AG [CH]
- [A] EP 0165326 A1 19851227 - SULZER AG [CH]
- [A] EP 0199881 A1 19861105 - SULZER AG [CH]
- [A] EP 0199880 A1 19861105 - SULZER AG [CH]

Cited by

US5303747A; US5088525A; EP0715009A1

Designated contracting state (EPC)

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EP 0402285 A1 19901212; **EP 0402285 B1 19940126**; BR 9002748 A 19910820; CS 275290 A3 19920318; CS 275691 B6 19920318; DE 69006265 D1 19940310; FR 2648161 A1 19901214; FR 2648161 B1 19911004; JP H0397938 A 19910423; US 5092374 A 19920303

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