

Title (en)

WEFT INSERTION DEVICE FOR A GRIPPER LOOM

Publication

EP 0352223 B1 19930203 (DE)

Application

EP 89810489 A 19890627

Priority

CH 281788 A 19880722

Abstract (en)

[origin: EP0352223A1] The weft insertion device contains a flexible insertion band (10) which can be fastened to a band wheel so that it can be wound on and unwound and which is produced from a plastic reinforced by a plurality of skein-like and/or bunch-like fibre groups (25). The fibre groups (25) are arranged in an inlay (27) which passes through the insertion band (10) over the entire length and which is surrounded by a layer of the plastic of the insertion band (10) free of the fibres of the fibre groups (25). The insertion band (10) is formed from a profiled part produced by a continuous manufacturing process, for example by pultrusion, and, in a end portion (B) remaining outside the winding region of the band wheel, is designed with a web-like elevation (10b). This is formed by a residual portion of a web-like section (10d') of the profiled part, which originally extended over the entire length of the insertion band (10) and which, in the length portion (A) of the insertion band (10) which can be wound on to the band wheel, has been removed, with the exception of a flange-like basic section (10c) of this. An easily producible low-mass insertion band (10) is obtained in this way, and in particular fibres of the fibre groups (25) are prevented from being exposed over a long period of operation. <IMAGE>

IPC 1-7

D03D 47/12

IPC 8 full level

D03D 47/27 (2006.01)

CPC (source: EP US)

D03D 47/272 (2013.01 - EP US); **D03D 47/276** (2013.01 - EP US); **D03D 47/277** (2013.01 - EP US)

Cited by

US5806570A; EP0939155A3; EP0845552A3; EP0414214A3; CN102021716A; BE1004999A5; EP1586683A3; EP0741200A1; EP0573727A1; US5345977A; WO9605344A1; EP1586683A2

Designated contracting state (EPC)

BE DE FR IT

DOCDB simple family (publication)

EP 0352223 A1 19900124; **EP 0352223 B1 19930203**; DE 58903434 D1 19930318; JP H0268332 A 19900307; US 5035268 A 19910730

DOCDB simple family (application)

EP 89810489 A 19890627; DE 58903434 T 19890627; JP 19035689 A 19890721; US 38417489 A 19890721