

Title (en)

Weft distributing device for a multiphase linear shed loom with air picking.

Title (de)

Schussfadenverteilvorrichtung einer Reihenfachwebmaschine mit Lufteintrag.

Title (fr)

Dispositif de distribution du fil de trame pour métier à tisser multiphasé à foule linéaire à introduction pneumatique.

Publication

**EP 0433216 B1 19940427 (DE)**

Application

**EP 90810754 A 19901003**

Priority

CH 413089 A 19891116

Abstract (en)

[origin: EP0433216A1] In a weft-distributing device of a multiphase linear shed loom with air picking, the weft yarns are distributed by a yarn-feed means (31) to a plurality of weft channels (7) of a weaving rotor (4), in that the device has a fixed part (21) and a part (11) co-rotating with the weaving rotor, which possess in a rotationally symmetrical surface a common separating and sealing surface (20), via which the transfer of weft yarns (10) takes place. Each weft yarn supplied is transported by means of air via a feed nozzle (22) into a connecting channel (24) in the fixed part (21) and further to permanently assigned take-over channels (14) having adjoining picking tubes (12). Between the mouths (15) of the picking tubes (12) and the weft channels (7) aligned with them are positioned clamping and cutting devices (32) which sever the picked weft yarn (10). The weft tip newly obtained as a result of the cut is drawn back by means of the injector effect of the feed nozzle (22) and auxiliary nozzle (26) and is fed, via the connecting channel (24) and the newly opening take-over channel (14), to the following picking tube (12) assigned for blow-in. <IMAGE>

IPC 1-7

**D03D 47/30**

IPC 8 full level

**D03D 47/26** (2006.01); **D03D 41/00** (2006.01); **D03D 47/30** (2006.01)

CPC (source: EP US)

**D03D 41/005** (2013.01 - EP US)

Cited by

EP0980924A1; EP0980925A1; EP0624673A1; EP0624672A1; US5439037A; US5937913A; EP1111108A1; EP1048766A3; EP0919654A1; US6009915A; EP1048767A3; EP0980923A1; US5904186A; US6347647B2; WO9638615A1; WO9638612A1; WO9638609A1; US6223778B1; US6179011B1; EP0685584B1

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

**EP 0433216 A1 19910619**; **EP 0433216 B1 19940427**; DE 59005525 D1 19940601; JP 2848684 B2 19990120; JP H03161550 A 19910711; RU 1834930 C 19930815; US 5146955 A 19920915

DOCDB simple family (application)

**EP 90810754 A 19901003**; DE 59005525 T 19901003; JP 26491990 A 19901002; SU 4831557 A 19901115; US 60989290 A 19901106