

Title (en)

Yarn connecting device for a textile machine making cross-wound bobbins

Title (de)

Fadenverbindungseinrichtung für eine Kreuzspulen herstellende Textilmaschine

Title (fr)

Dispositif de rattachement du fil pour une machine textile fabriquant des bobines à spires croisées

Publication

**EP 1076028 A3 20011121 (DE)**

Application

**EP 00114595 A 20000707**

Priority

DE 19938432 A 19990813

Abstract (en)

[origin: EP1076028A2] The apparatus to splice yarn ends at a cross wound bobbin winder, with a pneumatic action outside the yarn travel path, has a suction catch tube (25). A control wedge block (33) is at the upper end position of the suction tube (25) to give a defined action on the flap tube (18). As the suction catch tube (25) is swung against the control block (33), the initial action is to open the entry (27) into the tube (25). When the tube (25) is swung clear of the control block (33), the effect is to close the entry (27) into the tube. The control block (33) has two separate sliding paths (48). The first path (48) controls the movement of the flap tube (18) as the tube swings upwards. The second path controls the flap (18) as the tube swings downwards. The control block (33) has a base body (30) and a curved section held in a basic position by a spring (35). The sliding paths (48) at the control block (33) match an operating cam (62) at the tube flap (18), with a strap at the curved section. A notch, which is always open, is at the tube opening (27).

IPC 1-7

**B65H 67/08**

IPC 8 full level

**B65H 69/00** (2006.01); **B65H 67/08** (2006.01); **D01H 15/00** (2006.01)

CPC (source: EP US)

**B65H 67/081** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [A] US 4408442 A 19831011 - ROHNER JOACHIM [DE]
- [A] DE 3515760 A1 19861106 - SCHLAFHORST & CO W [DE]
- [DA] DE 19510171 A1 19960125 - SCHLAFHORST & CO W [DE]

Cited by

CN103625985A; EP4151577A1; CN103803345A; EP2186766A3; CN104192606A; CN116164514A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1076028 A2 20010214**; **EP 1076028 A3 20011121**; **EP 1076028 B1 20040218**; DE 19938432 A1 20010215; DE 50005306 D1 20040325; JP 2001072340 A 20010321; JP 4700175 B2 20110615; US 6298647 B1 20011009

DOCDB simple family (application)

**EP 00114595 A 20000707**; DE 19938432 A 19990813; DE 50005306 T 20000707; JP 2000240004 A 20000808; US 63632900 A 20000810