

Title (en)

METHOD AND ARRANGEMENT FOR AUTOMATICALLY PIECING

Publication

**EP 0412256 B1 19930526 (DE)**

Application

**EP 90110858 A 19900608**

Priority

- DE 3926071 A 19890807
- DE 4017064 A 19900526

Abstract (en)

[origin: EP0412256A1] In a method for the automatic piecing of a fibrous web to form a sliver, for example in a card, the fibrous web delivered by a roller device is collected at least partially by a web transport device and transported further, in the starting phase the unusable fibrous web is fed to a conveyor device and the unusable fibrous web coming out of the conveyor device is removed, in the piecing phase the usable fibrous web is surrounded by a funnel and shaped to form a sliver, and the sliver coming out of the funnel is fed to a pair of draw-off rollers. To make automatic piecing possible in a reliable and fault-free way, in the starting phase the fibrous web is conveyed at a uniform speed, in the piecing phase the fibrous web is converted into a sliver by being contracted in a collecting funnel, the sliver is severed above the conveyor device, and the sliver end coming out of the collecting funnel is introduced into the nip of the draw-off rollers as a result of the displacement of the collecting funnel and/or of the draw-off rollers. <IMAGE>

IPC 1-7

**B65H 54/76**; **D01G 23/00**

IPC 8 full level

**B65H 54/76** (2006.01); **D01G 15/46** (2006.01); **D01G 15/02** (2006.01); **D01G 15/58** (2006.01); **D01G 15/64** (2006.01); **D01G 23/00** (2006.01)

CPC (source: EP US)

**B65H 54/76** (2013.01 - EP US); **D01G 15/46** (2013.01 - EP US); **D01G 15/58** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

CN110621818A; US6119312A; EP0704562A1; FR2665911A1; WO2019029914A1; WO9913141A1; WO9922053A1; WO9740217A1; EP3484801B1

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0412256 A1 19910213**; **EP 0412256 B1 19930526**; BE 1003524 A4 19920414; BR 9003850 A 19910903; CA 2022951 A1 19910208; CA 2022951 C 19941018; CH 682922 A5 19931215; DE 4017064 A1 19910214; DE 59001543 D1 19930701; ES 2025474 A6 19920316; FR 2650603 A1 19910208; FR 2650603 B1 19930806; GB 2235472 A 19910306; GB 2235472 B 19930616; GB 9017199 D0 19900919; IT 1243699 B 19940621; IT 9021232 A0 19900807; IT 9021232 A1 19920207; JP 2846934 B2 19990113; JP H0369619 A 19910326; RU 2062310 C1 19960620; US 5095587 A 19920317

DOCDB simple family (application)

**EP 90110858 A 19900608**; BE 9000758 A 19900730; BR 9003850 A 19900807; CA 2022951 A 19900807; CH 247390 A 19900726; DE 4017064 A 19900526; DE 59001543 T 19900608; ES 9002136 A 19900807; FR 9009780 A 19900731; GB 9017199 A 19900806; IT 2123290 A 19900807; JP 20770090 A 19900807; SU 4830747 A 19900806; US 56113790 A 19900801