Title (en)

Extracting belt guide of a combing machine

Title (de)

Führungsvorrichtung des Abreissriemens einer Kämmaschine

Title (fr)

Dispositif de guidage du manchon d'arrachage d'une peigneuse rectiligne

Publication

EP 0974688 A1 20000126 (FR)

Application

EP 99440210 A 19990723

Priority

FR 9809588 A 19980724

Abstract (en)

The guide mechanism for the drawing-off apron in a rectilinear combing machine has one additional deflection cylinder (7). The lower (4) and upper (8) drawing-off cylinders are fixed to the moving carrier (1). At least one initial deflection cylinder (5) and the funnel (10) are mounted to the machine frame (2). At least two deflection cylinders (5,6) and the funnel (10) are locked to the machine frame (2), while a third deflection cylinder (7) is locked to the moving carrier (1). The deflection cylinder (7) at the carrier (1) is placed near the deflection cylinder (6) mounted to the frame (2) and, in operation, is at a gap from the pivot point (1') of the moving carrier (1) which is smaller than the gap between the deflection cylinder (6) at the frame (2) and the carrier swing point (1'), and which is larger than the gap between the drawing-off cylinders (4,8) and the deflection cylinder (6) at the frame (2). All the deflection cylinders (5-7) can be mounted to the machine frame (2), where at least one cylinder (7) is on a spring mounting. The spring mounting is an oscillating arm, which pivots at one end on the frame (2), with the deflection cylinder (7) at the other end and held by a return spring. Its swing movement is through a connecting rod linked to the carrier (1) with an adjustment to the amplitude of the swing movements. The connecting rod has a length adjustment setting, or it can be an adjustable piston with a slide connection to the carrier. The spring mounting can also be a slide which supports the deflection cylinder (7), operated by a compression spring. The reciprocating movement of the carrier (1) can be through a cam system. A stripper cylinder (9) is on the frame (2), between the funnel (10) and the end of the drawing-off apron (3).

Abstract (fr)

La présente invention concerne un dispositif de guidage du manchon d'arrachage d'une peigneuse rectiligne. comportant un chariot (1) mobile par rapport au bâti (2) de la machine, un manchon d'arrachage (3) tendu entre un cylindre arracheur inférieur (4) et au moins un premier cylindre de détour (5). au moins un cylindre arracheur supérieur (8) coopérant, en outre, avec le cylindre arracheur inférieur (4), et un entonnoir (10) monté en aval du manchon d'arrachage (3). Dispositif, caractérisé en ce que seul un cylindre de détour (7) supplémentaire et les cylindres arracheurs inférieur (4) et supérieur (8) sont solidarisés avec le chariot mobile (1), au moins le premier cylindre de détour (5) et l'entonnoir (10) étant solidarisés avec le bâti (2) de la machine. L'invention est plus particulièrement applicable dans le domaine de l'industrie textile, en particulier des peigneuses rectilignes <IMAGE>

IPC 1-7

D01G 19/18; D01G 19/26

IPC 8 full level

D01G 19/18 (2006.01); **D01G 19/26** (2006.01)

CPC (source: EP)

D01G 19/18 (2013.01); **D01G 19/26** (2013.01)

Citation (applicant)

- DE 915793 C 19540729 - SPINNEREI MASCHB KARL MARX STA
- WO 9527817 A1 19951019 - SPINNEREIMASCHINENBAU LEISNIG [DE], et al

Citation (search report)

- [YD] DE 915793 C 19540729 - SPINNEREI MASCHB KARL MARX STA
- [YDA] WO 9527817 A1 19951019 - SPINNEREIMASCHINENBAU LEISNIG [DE], et al
- [A] FR 392716 A 19081203 - ALSACIENNE CONSTR MECA [DE]
- [A] EP 0441000 A2 19910814 - SAVIO SPA [IT]
- [A] FR 1293005 A 19620511 - ALSACIENNE CONSTR MECA

Designated contracting state (EPC)

CH DE ES IT LI

DOCDB simple family (publication)

EP 0974688 A1 20000126; **EP 0974688 B1 20030312**; DE 69905808 D1 20030417; FR 2781507 A1 20000128; FR 2781507 B1 20000915

DOCDB simple family (application)

EP 99440210 A 19990723; DE 69905808 T 19990723; FR 9809588 A 19980724