

Title (en)  
Cross-lapper

Title (de)  
Vliesleger

Title (fr)  
Etaleur-nappeur

Publication  
**EP 1010785 A3 20010307 (DE)**

Application  
**EP 99124702 A 19991211**

Priority  
DE 29822461 U 19981218

Abstract (en)  
[origin: EP1010785A2] The assembly to lay the webs from a carding machine, in large laying widths, has a delivery belt, several main trolleys and two continuous conveyor belts over the main trolleys. At least one tensioner trolley (14) has one or more deflection rollers to apply tension to a conveyor belt, with a support trolley (16). The support trolley is a self-standing, mobile trolley, with a drive link to a main trolley (10,11). The tensioner trolley (14) for a conveyor belt and the support trolley (16) are located over the upper main trolley (10). The support trolley (16) has a drive link to the upper main trolley (10) and the tensioner trolley (14) has a drive link to the lower main trolley (11). The web layer (1) has at least one additional tensioner trolley (15) for the other conveyor belt, with its deflection roller moving below the first tensioner trolley (14) and below a belt entry at the upper main trolley (10). The additional tensioner trolley (15) has a drive link to the upper main trolley (10). The tensioner trolleys (14,15) are side by side, with a gap between them, to move in the same direction on a common trolley guide. The web layer (1) has two additional self-standing support trolleys (12,13), each at a lower belt level of the two conveyor belts. The support trolleys (12,13) each have at least three deflection rollers, with their axes on a triangle or a polygon, and generally in an omega-shaped guide for the conveyor belt levels. A support trolley (12) is near the lower main trolley (11), with a drive link to the upper main trolley (10). The other support trolley (13) is integrated with the upper main trolley (10) in a rigid fixture.

IPC 1-7  
**D01G 25/00**

IPC 8 full level  
**D01G 25/00** (2006.01)

CPC (source: EP)  
**D01G 25/00** (2013.01)

Citation (search report)

- [YA] EP 0522893 A2 19930113 - ASSELIN ETS [FR]
- [YA] US 4830351 A 19890516 - STANISLAW PETER P [US]
- [A] DE 2654860 A1 19780608 - HERGETH KG MASCH APPARATE
- [A] EP 0786545 A2 19970730 - ANTONIO GUASCH GRANO S L [ES]
- [A] PATENT ABSTRACTS OF JAPAN vol. 18, no. 401 (C - 1231) 27 July 1994 (1994-07-27)

Cited by  
DE202013105029U1; DE202012102597U1; WO2014009520A1; US9909236B2; WO2015067704A1; US10309040B2

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 1010785 A2 20000621; EP 1010785 A3 20010307; EP 1010785 B1 20031105**; DE 29822461 U1 20000518; DE 59907617 D1 20031211; ES 2210953 T3 20040701

DOCDB simple family (application)  
**EP 99124702 A 19991211**; DE 29822461 U 19981218; DE 59907617 T 19991211; ES 99124702 T 19991211