

Title (en)  
Cross-lapper.

Title (de)  
Vliesbandleger.

Title (fr)  
Etaleur-nappeur.

Publication  
**EP 0522893 A2 19930113 (FR)**

Application  
**EP 92401480 A 19920529**

Priority  
FR 9106635 A 19910603

Abstract (en)  
A fibre web (4) is transported by belts (2, 5) passing round rollers (32 to 43, 60 to 69). Some of these rollers are carried by main carriages (10, 14) movable to and fro above an apron (8) which is displaced parallel to the axes of the rollers and which receives the web (4) in the form of a lap. Auxiliary carriages (16, 18) are provided for keeping the length of travel of the belts (2, 5) constant in spite of the to-and-fro movements of the main carriages (10, 14). Each main carriage (10, 14) is connected to an auxiliary carriage by coupling means (92, 96) which are less extendable than the belts (2, 5) and which are arranged so as to be made live under the action of the means (84, 88) for driving the carriages. The invention is used in the production of nonwovens. <IMAGE>

Abstract (fr)  
Un voile de fibres (4) est transporté par des tapis (2, 5) contournant des rouleaux (32 à 43, 60 à 69). Certains de ces rouleaux sont portés par des chariots principaux (10, 14) mobiles en va-et-vient au-dessus d'un tablier (8) qui se déplace parallèlement aux axes des rouleaux et recueille le voile (4) sous forme d'une nappe. Des chariots auxiliaires (16, 18) sont prévus pour maintenir constante la longueur des trajets des tapis (2, 5) malgré les va-et-vient des chariots principaux (10, 14). Chaque chariot principal (10, 14) est relié à un chariot auxiliaire par des moyens d'accouplement (92, 96) moins extensibles que les tapis (2, 5) et disposés pour être mis en tension sous l'action des moyens d'entraînement (84, 88) des chariots. Application à la fabrication des non-tissés. <IMAGE>

IPC 1-7  
**D01G 15/46**; **D01G 25/00**; **D04H 1/74**

IPC 8 full level  
**D01G 15/46** (2006.01); **D01G 25/00** (2006.01); **D04H 1/74** (2006.01)

CPC (source: EP US)  
**D01G 25/00** (2013.01 - EP US); **D04H 1/74** (2013.01 - EP US); **Y10S 493/937** (2013.01 - EP US)

Cited by  
DE202012102597U1; EP3141640A1; EP0860531A3; EP1010786A3; US6085391A; EP1010785A3; EP1010787A3; CN104583477A; EP2169095A1; DE20321834U1; WO9719209A1; EP2157216A1; US7895715B2; WO2014009520A1; US9909236B2; FR3040398A1; FR3040400A1

Designated contracting state (EPC)  
AT BE DE ES FR GB IT

DOCDB simple family (publication)  
**WO 9221800 A1 19921210**; AT E129028 T1 19951015; DE 522893 T1 19930609; DE 69205351 D1 19951116; DE 69205351 T2 19960502; DE 69205351 T3 20011031; EP 0522893 A2 19930113; EP 0522893 A3 19930224; EP 0522893 B1 19951011; EP 0522893 B2 20010321; ES 2077995 T3 19951201; ES 2077995 T5 20010616; FR 2677046 A1 19921204; FR 2677046 B1 19950113; JP 3258321 B2 20020218; JP H06502698 A 19940324; US 5341543 A 19940830

DOCDB simple family (application)  
**FR 9200483 W 19920529**; AT 92401480 T 19920529; DE 69205351 T 19920529; DE 92401480 T 19920529; EP 92401480 A 19920529; ES 92401480 T 19920529; FR 9106635 A 19910603; JP 51047892 A 19920529; US 96982993 A 19930201