

Title (en)  
Device for continuous fabric take-down in a knitting machine

Title (de)  
Vorrichtung zum kontinuierlichem Warenabzug an einer Strickmaschine

Title (fr)  
Dispositif de tirage en continu pour machine à tricoter

Publication  
**EP 1215322 A1 20020619 (FR)**

Application  
**EP 01811204 A 20011210**

Priority  
FR 0016503 A 20001218

Abstract (en)  
The continuous puller for a straight row knitting machine with one or more sections (1, 2) consists of two elastic belts (5, 6) rotated in opposite directions by two horizontal shafts (7, 8) driven by two-way motors and passing over return members (10, 11) located close to the stitchforming zone. The belts are fitted with an internal mechanism (21, 22) which allows the shape of their outer surfaces to be modified, varying the pulling effort applied to the knitted material. The belt shape modification mechanism consists of pressure elements inside the belts which vary the area of the contact surface between at least one belt and the knitting. The pressure elements are in the shape of elongated bodies such as rollers moved by a system of endless screws, and the belts have outer surface grooves lying parallel to the axes of the drive shafts or in helical lines.

Abstract (fr)  
Dispositif de tirage pour machine à tricoter rectiligne (1, 2) comprenant deux courroies élastiques (5, 6) entraînées en continu en sens opposé par deux arbres horizontaux (7, 8) et passant sur deux renvois (10, 11) montés sur deux bâtis (12, 13) supportés par les arbres d'entraînement de telle manière que les courroies sont appliquées l'une contre l'autre. Le dispositif comprend des moyens de modification de la forme de l'enveloppe des courroies de tirage de manière à différencier la force de tirage exercée localement, tels que des moteurs à vitesse variable (14, 15) entraînant les arbres et des moyens de pression localisée (21, 22) sur les courroies. <IMAGE>

IPC 1-7  
**D04B 15/90**

IPC 8 full level  
**D04B 15/88** (2006.01); **D04B 15/90** (2006.01)

CPC (source: EP KR)  
**D04B 15/88** (2013.01 - KR); **D04B 15/90** (2013.01 - EP)

Citation (search report)  
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Citation (examination)  
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**EP 01811204 A 20011210**; BR 0106147 A 20011217; CN 01143313 A 20011218; EA 200101208 A 20011218; FR 0016503 A 20001218; HK 02108615 A 20021129; JP 2001383992 A 20011218; KR 20010078409 A 20011212; TW 90131000 A 20011214