

Title (en)
Method for making roller blinds

Title (de)
Verfahren zur Herstellung von Rollos

Title (fr)
Procédé pour la fabrication de stores enroulables

Publication
EP 0942087 A2 19990915 (DE)

Application
EP 99104866 A 19990311

Priority
• DE 19810971 A 19980313
• DE 19836447 A 19980812

Abstract (en)
In the production of blinds, the separate material sections (2) are produced in the required shape in a coherent fabric web (1), with an edge zone (12) to manipulate it. Separation channels (13) are worked into the material web (1) between the edge zone (12) and the edge of the material section (2) and between the material sections (2), for them to be detached from the web (1). A number of material sections (2) are formed in the material web, next to each other. The edge (21) of the material section (2) is worked into a firm bond, by the yarn structure or an applied reinforcement. The edge (21) of the material section (2) has a yarn with a lower melting point than the surrounding fabric, to be separated by heat and the fused yarn material strengthens the edge (21) of the material section. A separation row is in the channels (13) between the material sections (2), using a yarn which dissolves during subsequent fabric treatment to separate the fabric sections (2) from each other and/or the edge zone (12) of the fabric (1). The fabric sections can be worked to include a tubular pocket, to take a stiffening or guide rod along its width and/or length, at the start or end of the fabric section. The pocket can be curved, and the ends of the pocket are secured by a locking edge. Before the fabric is coated, the fabric web is hot ironed, at least at the pocket zones. The fabric web is of texturized fiber or filament material, at least at the pocket zones. The pockets have one or more interruptions and are produced using the fabric warps, without the wefts. An indent at the rod takes part of the pocket with the bonded edge, to fix the front rod in place, with an elastic clamp which closes the indent. Eyelets are worked in the edges (21) of the fabric sections (2), for blind holders, and blind mounting ribbons are worked along extensions of the section edges (21). Reinforcements are worked into the material at the mounting points. The fabric web (1) is produced on a warp knitter, with selected needles working the fabric section edges (21) and an additional weft at the edges (21). The fabric (1) can also be produced on a loom, with denser warps at the section edges (21), taken from the adjacent zones to form the separation channels (13). An independent claim is also included for a roller blind rod, with an indent along its length, with projections at the opening into the indent. Preferred features: The fabric lock has a central recess, for compression on insertion between the projections at the indent opening. The body of the lock has a central opening to allow the body to spread outwards.

Abstract (de)
Die Erfindung betrifft ein Verfahren zur Herstellung von Rollos, Jalousien, Sicherungs- oder Trennnetzen und dergleichen, insbesondere für Fahrzeuge, bei der die einzelnen Warenstücke (2) in einer zusammenhängenden Stoffbahn (1) gleichbleibender Breite formgerecht hergestellt werden. Die Stoffbahn weist einen Randbereich (12) zum Handhaben der Stoffbahn auf. Zwischen dem Randbereich der Stoffbahn und dem Rand des Warenstückes sowie zwischen einzelnen Warenstücken sind Trenngassen (13) entsprechend der Form der Warenstücke eingearbeitet, die nach dem Ausrüsten zum Vereinzeln der Warenstücke (2) dienen. <IMAGE>

IPC 1-7
D04B 19/00

IPC 8 full level
D03D 1/00 (2006.01); **D03D 15/68** (2021.01); **D04B 19/00** (2006.01); **D04B 21/20** (2006.01)

CPC (source: EP US)
D03D 1/00 (2013.01 - EP US); **D04B 21/10** (2013.01 - EP US); **D04B 21/20** (2013.01 - EP US); **D10B 2403/0122** (2013.01 - EP US); **D10B 2403/0241** (2013.01 - EP US); **D10B 2501/061** (2013.01 - EP US); **D10B 2503/03** (2013.01 - EP US); **D10B 2505/12** (2013.01 - EP US); **D10B 2507/02** (2013.01 - EP US); **Y10S 160/07** (2013.01 - EP US)

Cited by
DE102009056820A1; DE102009056820B4; DE202014103950U1; CN111850803A; CN111850804A; EP1082935A1; DE102005022505A1; DE102005022505B4; EP1081261A1; DE102009056820B8; US7008154B1; WO2016030174A1

Designated contracting state (EPC)
DE ES FR IT NL SE

DOCDB simple family (publication)
EP 0942087 A2 19990915; **EP 0942087 A3 20000607**; **EP 0942087 B1 20040526**; DE 19836447 A1 19990923; DE 19836447 B4 20060511; DE 59909550 D1 20040701; US 2001013376 A1 20010816; US 6212913 B1 20010410; US 6474395 B2 20021105

DOCDB simple family (application)
EP 99104866 A 19990311; DE 19836447 A 19980812; DE 59909550 T 19990311; US 26781999 A 19990312; US 82523901 A 20010403