

Title (en)

Weft unthreaded textile coating method and apparatus.

Title (de)

Verfahren und Vorrichtung zum Beschichten von Kettfäden.

Title (fr)

Procédé et installation d'enduction d'une nappe de fils de chaîne.

Publication

EP 0421803 A1 19910410 (EN)

Application

EP 90310921 A 19901004

Priority

JP 26120389 A 19891004

Abstract (en)

A coating apparatus for weft unthreaded textiles includes a deep grooved roll (20) to receive warps (C) of a weft unthreaded textile (S), and a shallow grooved roll (33) arranged downstream of said deep grooved roll to receive the warps arranged by the deep grooved roll. The apparatus further includes press-fitting means (46) for pressing the grooved roll (33) against a rubber sheet (6) on a calender roll (2) to force the warps in the shallow grooves into the rubber sheet, a restraining roll (52) rotatably arranged between the deep grooved roll and the shallow grooved roll and able to be in contact with a surface of the weft unthreaded textile, and urging means (54) for urging the restraining roll in a direction perpendicular to a surface of the weft unthreaded textile to change the moving direction of the weft unthreaded textile, thereby increasing a winding angle of the warps around the grooved roll (33) and preventing untwisting of the warps.

IPC 1-7

D06B 1/14

IPC 8 full level

D06M 15/693 (2006.01); **B29C 43/28** (2006.01); **B60C 9/04** (2006.01); **D03D 1/00** (2006.01); **D06B 1/14** (2006.01); **D06B 5/16** (2006.01); **D06B 23/02** (2006.01); **B29K 21/00** (2006.01)

CPC (source: EP)

D06B 1/14 (2013.01)

Citation (search report)

- [Y] US 3301932 A 19670131 - CHISHOLM DOUGLAS S
- [Y] EP 0290703 A1 19881117 - TRIATEX INTERNATIONAL [CH]
- [A] US 4046099 A 19770906 - KOMATSU TOKUJI
- [A] US 3990132 A 19761109 - ILLMAN WALTER F, et al
- [A] US 2588967 A 19520311 - DAVIS HERBERT L
- [A] US 4108110 A 19780822 - BERRY KENNETH WILLIAM
- [A] FR 1443648 A 19660624 - CIBA GEIGY
- [A] DE 3412039 A1 19851003 - ZELL J KRUECKELS GMBH & CO KG [DE]
- [A] DE 3145842 A1 19820616 - CUTTS WILLIAM HOLMES
- [A] GB 1363493 A 19740814 - GIBSON K H

Cited by

CN108486883A; US7998298B2; DE112005003640B4; ES2154977A1; CN114232173A; EP4008513A1; WO9305223A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0421803 A1 19910410; JP H03124868 A 19910528

DOCDB simple family (application)

EP 90310921 A 19901004; JP 26120389 A 19891004