

Title (en)

FABRIC BELT FOR A CORRUGATED BOARD GLUING MACHINE

Title (de)

GEWEBEGURT FÜR EINE WELLPAPPENBEKLEBEMASCHINE

Title (fr)

SANGLE TISSEE POUR MACHINE DE COLLAGE DE CARTON ONDULE

Publication

**EP 1412571 A1 20040428 (DE)**

Application

**EP 01974098 A 20010802**

Priority

EP 0108958 W 20010802

Abstract (en)

[origin: WO03014447A1] The invention relates to a woven belt for a paper machine, especially for a corrugated cardboard machine. Said belt (1, 2, 3) comprises a first fabric layer (20, 60, 80) that absorbs the tensile forces and that consists of warp threads (21, 22; 61, 62, 63, 64; 81, 82, 83, 84) and woof threads (4; 6; 8), and an additional, upper fabric layer (10; 50; 70) that covers the first fabric layer (20; 60; 80) and that consists of warp threads (11, 12, 13, 14; 51, 52, 53, 54; 71, 72, 73, 74) and woof threads (4) and shapes the upper face of the paper. The fabric layers (10, 20; 50, 60; 70, 80) are interwoven by means of binding threads (40, 41, 42, 43; 44, 45; 46, 47). In order to allow for the provision of a belt that has a mechanically solid structure and is yet highly permeable, the belt (1; 2; 3) is provided with drainage channels (50) that extend at least partially through the belt and through which the vapor from the upper fabric layer (10; 50; 70) can be removed from the surface of the paper.

IPC 1-7

**D03D 11/00**; D21F 1/00; B31F 1/28

IPC 8 full level

**D03D 1/00** (2006.01); **B31F 1/28** (2006.01); **D03D 11/00** (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP KR US)

**B31F 1/28** (2013.01 - KR); **B31F 1/2877** (2013.01 - EP US); **D03D 11/00** (2013.01 - EP US); **D21F 1/0036** (2013.01 - EP US)

Citation (search report)

See references of WO 03014447A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 03014447 A1 20030220**; **WO 03014447 A8 20030410**; EP 1412571 A1 20040428; JP 2004538380 A 20041224; KR 100782661 B1 20071207; KR 20040039197 A 20040510; US 2004118474 A1 20040624; US 6899142 B2 20050531

DOCDB simple family (application)

**EP 0108958 W 20010802**; EP 01974098 A 20010802; JP 2003519569 A 20010802; KR 20037014796 A 20031114; US 70775204 A 20040109