

Title (en)

Belt for a production machine for sheet material and method for manufacturing such a belt

Title (de)

Band für eine Maschine zur Herstellung von Bahnmaterial und Verfahren zur Herstellung eines derartigen Bands

Title (fr)

Bande pour une machine destinée à la fabrication de matériaux en bande et procédé de fabrication d'une telle bande

Publication

**EP 2072668 A1 20090624 (DE)**

Application

**EP 08161409 A 20080730**

Priority

US 1584307 P 20071221

Abstract (en)

The belt (10) has a carrying structure (12), and a layer (20) of fiber material providing a sheet material contact surface (26). A layer (22) of fiber material is provided between the carrying structure and the layer (20), where polymer materials (24, 28) are comprised in the latter fiber material. The polymer materials are provided as elastomer i.e. polyurethane, and form a film, which partially covers a part of the fiber of the layer (22). The layer (22) of fiber material is rough than the layer (20) of the fiber material. An independent claim is also included for a method for manufacturing a belt for a machine for manufacturing the sheet material.

Abstract (de)

Ein Band für eine Maschine zur Herstellung von Bahnmaterial, insbesondere Papier oder Karton, umfasst eine Tragestruktur (12) und an einer Bandmaterialkontaktseite (18) der Tragestruktur (12) eine Mehrzahl von Lagen (20, 22) aus Fasermaterial, wobei in wenigstens einer der Lagen (20, 22) aus Fasermaterial Polymermaterial (28) enthalten ist.

IPC 8 full level

**D21F 1/00** (2006.01); **D03D 15/56** (2021.01); **D21F 7/08** (2006.01)

CPC (source: EP US)

**D21F 1/0036** (2013.01 - EP US); **D21F 7/083** (2013.01 - EP US); **Y10T 442/3008** (2015.04 - EP US); **Y10T 442/3496** (2015.04 - EP US); **Y10T 442/3602** (2015.04 - EP US); **Y10T 442/3707** (2015.04 - EP US); **Y10T 442/3724** (2015.04 - EP US); **Y10T 442/3732** (2015.04 - EP US); **Y10T 442/601** (2015.04 - EP US); **Y10T 442/659** (2015.04 - EP US); **Y10T 442/667** (2015.04 - EP US); **Y10T 442/699** (2015.04 - EP US)

Citation (search report)

- [X] WO 2004085727 A2 20041007 - VOITH FABRICS PATENT GMBH [DE], et al
- [X] EP 1127976 A2 20010829 - VOITH FABRICS HEIDENHEIM GMBH [DE]
- [X] US 5549967 A 19960827 - GSTREIN HIPPOLIT [AT]
- [X] WO 03076046 A2 20030918 - VOITH FABRICS HEIDENHEIM GMBH [DE], et al

Cited by

DE102016206384A1; US8496785B2; WO2011036164A1; WO2020259188A1; EP2462279B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2072668 A1 20090624**; US 2009186546 A1 20090723; US 8034730 B2 20111011

DOCDB simple family (application)

**EP 08161409 A 20080730**; US 33913408 A 20081219