

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 2072669 A1 20090624 (DE)

Application

EP 08161410 A 20080730

Priority

US 1586307 P 20071221

Abstract (en)

The belt (10) has a fiber material with layers (20-26) having a polymer material for filling cavities formed between fibers of the fiber material, such that the polymer material forms a composite structure together with the fibers. The composite structure is permeable for fluid, and a large part of the polymer material is provided in a volume area, which is close to web material contact surfaces (28) of the fiber material. The 80 percentage of the polymer material are formed in a deep area of 20 percentage of the fiber material. An independent claim is also included for a method for manufacturing a belt for a web material manufacturing machine.

Abstract (de)

Ein Band für eine Maschine zur Herstellung von Bahnmaterial, insbesondere Papier oder Karton umfasst eine Tragestruktur (12) und an einer Bahnmaterialkontaktseite (18) der Tragestruktur (12) Fasermaterial (20, 22, 24, 26) mit darin enthaltenem permeablen Polymermaterial (32), wobei ein Großteil des porösen Polymermaterials (32) in einem einer Bahnmaterialkontaktfläche (28) des Fasermaterials (20, 22, 24, 26) nahen Volumenbereich vorgesehen ist.

IPC 8 full level

D21F 1/00 (2006.01); **D21F 7/08** (2006.01)

CPC (source: EP US)

D21F 1/0036 (2013.01 - EP US); **D21F 7/083** (2013.01 - EP US); **Y10T 442/2861** (2015.04 - EP US)

Citation (search report)

- [X] EP 1757728 A1 20070228 - VOITH PATENT GMBH [DE]
- [X] WO 2004085727 A2 20041007 - VOITH FABRICS PATENT GMBH [DE], et al
- [X] WO 03091498 A1 20031106 - TAMFELT OYJ ABP [FI], et al

Cited by

US8496785B2

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 2072669 A1 20090624; **EP 2072669 B1 20170308**; US 2009186544 A1 20090723

DOCDB simple family (application)

EP 08161410 A 20080730; US 33944908 A 20081219