

Title (en)
Transfer belt

Title (de)
Transferband

Title (fr)
Bande de transfert

Publication
EP 1754823 A2 20070221 (DE)

Application
EP 06117369 A 20060718

Priority
DE 102005039301 A 20050819

Abstract (en)
Endless belt for a paper machine, in which both the top and bottom sides of the belt will come into contact with the paper web, comprises storage capacity for absorbing fluid acting on the bottom side. Independent claims are also included for: (1) paper machine comprising an endless belt that loops round a section of the periphery of a roll so that the bottom side contacts the roll, where the belt and/or roll has storage capacity for absorbing fluid penetrating into the contact zone; (2) re-equipping a paper machine having a press section with a smooth roll forming press nips with two counter rolls and an endless belt that loops round the rolls and passes through the nips with a smooth bottom side in contact with the smooth roll, by replacing the smooth roll with a roll having a structured peripheral surface and/or replacing the belt with a belt having a structured bottom surface.

Abstract (de)
Die Erfindung betrifft eine Maschine (1) zur Herstellung einer Papier-, Karton- oder Tissuebahn, mit einer Walze (3) mit Mantelfläche (4) und mit einem die Mantelfläche (4) der Walze abschnittsweise umschlingenden Endlosband (9), insbesondere Transferband, welches eine Unterseite (12) hat, die im Umschlingungsbereich mit der Mantelfläche (4) in Kontakt bringbar ist, wobei das Endlosband (9) und / oder die Walze (3) ein geeignetes Speichervolumen bereitstellt, um Fluid, welches im Umschlingungsbereich zwischen Unterseite (12) und Mantelfläche (4) eindringt, zumindest teilweise aufzunehmen.

IPC 8 full level
D21F 3/04 (2006.01); **D21F 3/08** (2006.01); **D21F 7/08** (2006.01)

CPC (source: EP US)
D21F 3/0227 (2013.01 - EP US); **D21F 3/04** (2013.01 - EP US); **D21F 3/086** (2013.01 - EP US); **D21F 7/08** (2013.01 - EP US); **D21F 7/086** (2013.01 - EP US); **Y10S 162/901** (2013.01 - EP US); **Y10T 428/249953** (2015.04 - EP US); **Y10T 442/30** (2015.04 - EP US)

Citation (applicant)
EP 0548038 A1 19930623 - VALMET PAPER MACHINERY INC [FI]

Cited by
EP1870514A3; DE102008041245A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1754823 A2 20070221; **EP 1754823 A3 20080827**; **EP 1754823 B1 20140326**; DE 102005039301 A1 20070222; EP 2360314 A2 20110824; EP 2360314 A3 20120418; EP 2360314 B1 20210414; US 2007042851 A1 20070222; US 7722741 B2 20100525

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EP 06117369 A 20060718; DE 102005039301 A 20050819; EP 11159704 A 20060718; US 50630306 A 20060818