

Title (en)

Endless conveyor belt in an apparatus for printing a textile web

Title (de)

Endlosbahnförderer in einer Vorrichtung zum Drucken einer Textilbahn

Title (fr)

Bande sans fin de convoyage dans un appareil pour imprimer une bande de textile

Publication

EP 1591257 B1 20180829 (EN)

Application

EP 04076274 A 20040429

Priority

EP 04076274 A 20040429

Abstract (en)

[origin: EP1591257A1] An apparatus for printing a web of textile (2) comprises: an endless conveyor belt (6) which is guided over a driven roller (4) and a reversing roller (5) and which is driven at a chosen constant speed; and printing means (16) for printing the passing textile web (2) in the zone of the upper active part (9) of the conveyor belt (6) in a number of colours in accordance with an adjustable pattern for selecting; and is characterized by a number of support surfaces (31,32,33,34,35,36,37,38) distributed over the length of the upper active part (9) and disposed thereunder at fixed positions and in pressing co-action with the downward directed surface of the conveyor belt (6), each of which support surfaces (31,32,33,34,35,36,37,38) has a certain minimal speed relative to the upper active part (9), which minimal relative speed is above the relative speed corresponding with the coulomb friction. The support surfaces (31,32,33,34,35,36,37,38) are for instance embodied as cylindrical rollers extending in transverse direction relative to the upper active part (9), which rollers are driven or braked.

IPC 8 full level

B41J 13/08 (2006.01); **B41F 15/08** (2006.01); **B41F 15/24** (2006.01); **B41F 17/00** (2006.01); **B41J 3/407** (2006.01); **B41J 11/00** (2006.01)

CPC (source: EP)

B41F 15/0836 (2013.01); **B41F 15/24** (2013.01); **B41J 3/4078** (2013.01); **B41J 11/007** (2013.01)

Cited by

CN113396061A; WO2016042496A1; US12043046B2; EP2643159B1; EP2643159B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1591257 A1 20051102; **EP 1591257 B1 20180829**; ES 2699188 T3 20190207; PT 1591257 T 20181204

DOCDB simple family (application)

EP 04076274 A 20040429; ES 04076274 T 20040429; PT 04076274 T 20040429