

Title (en)

DEVICE FOR APPLYING A HOMOGENEOUSLY THICK LIQUID LAYER OVER THE WORKING WIDTH OF A MATERIAL WEB

Title (de)

VORRICHTUNG ZUM AUFBRINGEN EINER BER DIE ARBEITSBREITE GLEICHMÄSSIG DICKEN FLÜSSIGKEITSSCHICHT AUF EINE WARENBAHN

Title (fr)

DISPOSITIF D'APPLICATION D'UNE COUCHE DE LIQUIDE SUR UNE BANDE DE MATERIAU AVEC EPAISSEUR UNIFORME SUR LA LARGEUR DE TRAVAIL

Publication

EP 1567706 B1 20060913 (DE)

Application

EP 03811782 A 20031120

Priority

- DE 10254793 A 20021122
- EP 0350857 W 20031120

Abstract (en)

[origin: WO2004048671A1] In paint application devices which operate according to the infusion principle, the liquid flowing over an overflow weir is retained in an upstream liquid reservoir. Said liquid then flows over the overflow weir and over the subsequent guiding surface. In the event of high application quantities of 50 L/m/Min and more, there is a risk that the liquid layer may detach itself from the guiding surface in the region of the overflow weir. Said overflow weir is thus enveloped over the working width, a height-adjustable deviation block with a downwardly pointing edge determining the volume running over the guiding surface.

IPC 8 full level

D06B 1/06 (2006.01); **B05C 5/00** (2006.01)

CPC (source: EP US)

B05C 5/008 (2013.01 - EP US); **D06B 1/06** (2013.01 - EP US); **Y10S 118/04** (2013.01 - EP)

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 PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004048671 A1 20040610; AT E339540 T1 20061015; DE 10254793 A1 20040603; DE 50305068 D1 20061026; EP 1567706 A1 20050831; EP 1567706 B1 20060913; US 2006144328 A1 20060706; US 7390363 B2 20080624

DOCDB simple family (application)

EP 0350857 W 20031120; AT 03811782 T 20031120; DE 10254793 A 20021122; DE 50305068 T 20031120; EP 03811782 A 20031120; US 53595705 A 20051108