

Title (en)
DEVICE FOR APPLYING A FLOWABLE MEDIUM ONTO A MOVING SURFACE

Title (de)
VORRICHTUNG ZUM AUFBRINGEN EINES FLIESSFÄHIGEN MEDIUMS AUF EINE BEWEGTE OBERFLÄCHE

Title (fr)
DISPOSITIF PERMETTANT D'APPLIQUER UN AGENT FLUIDE SUR UNE SURFACE MOBILE

Publication
EP 1117488 B1 20040506 (DE)

Application
EP 99950572 A 19990930

Priority
• DE 19845427 A 19981002
• DE 19926956 A 19990614
• EP 9907242 W 19990930

Abstract (en)
[origin: WO0020123A1] The invention relates to a device for applying a flowable medium (2, 2') from a storage chamber (7, 8) onto a surface (6) that is moved along the device, and to the use of said device. The storage chamber (7,8) partially covers the surface (6), whereby a sealing gap (14) and an outlet gap (18) are formed. The storage chamber (7, 8) is sub-divided into a pre-storage chamber (7) and a main storage chamber (8) in order to prevent air bubbles from being formed in said medium (2, 2'). A separating element (10) is arranged between the chambers. Said separating element defines a separating gap (15) with the surface (6). Various forms of separating elements are provided. The device is particularly suitable for applying a polymer dispersion to the surface (6). The invention also relates to a method for operating one such device.

IPC 1-7
B05C 3/18; **B05C 1/08**

IPC 8 full level
B05C 1/08 (2006.01); **B05C 3/18** (2006.01)

CPC (source: EP US)
B05C 1/0813 (2013.01 - EP US); **B05C 3/18** (2013.01 - EP US)

Cited by
EP1825922A3; EP1825922A2; US11413650B2; US11241708B2; US11331688B2; US8424482B2; US11267014B2; WO2010063429A1; US11369987B2; US11504739B2; DE102010049387A1; WO2012055686A1; US9808823B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0020123 A1 20000413; AT E265895 T1 20040515; AU 6330599 A 20000426; DE 19845427 A1 20000406; DE 19926956 A1 20001221; DE 59909417 D1 20040609; EP 1117488 A1 20010725; EP 1117488 B1 20040506; US 6554900 B1 20030429

DOCDB simple family (application)
EP 9907242 W 19990930; AT 99950572 T 19990930; AU 6330599 A 19990930; DE 19845427 A 19981002; DE 19926956 A 19990614; DE 59909417 T 19990930; EP 99950572 A 19990930; US 78792401 A 20010402