Title (en)

DOCTOR BLADE DOSING SYSTEM

Title (de)

RAKEL-DOSIERSYSTEM

Title (fr)

SYSTEME DE DOSAGE A RACLE

Publication

**EP 1485209 A1 20041215 (DE)**

Application

**EP 03720149 A 20030307**

Priority

- DE 0300738 W 20030307
- DE 10211302 A 20020313

Abstract (en)

[origin: WO03078077A1] Doctor blade dosing systems for devices used for coating material webs (1), particularly paper or paperboard webs, exist that have a doctor blade rod (3), which serves as a dosing element while being held inside a slot of a doctor blade bed (4) that, in turn, is mounted in a support (6) that can be fastened inside the frame of the system. According to the invention, the doctor blade rod (3) has a diameter of less than 25 mm. The doctor blade bed (4) is inserted in removable manner into a slot (18) of the support (6) situated on the face thereof. The ratio of the cross-sectional area (measured in mm<2>) of the doctor blade (4) to the diameter (measured in mm) of the doctor blade rod (3) is less than 60 mm, preferably less than 30 mm. The support (6) is made of a plastic material and is shaped like a clamp having at least one rearward extending clamp limb (13, 14) and one joint location (15), whereby the holding slot (18) that accommodates the doctor blade bed (4) forms the clamp mouth. A tightening tube (16) that presses the slot walls of the holding slot (18) toward one another is placed on a clamp limb (13).

IPC 1-7

**B05C 11/02**; D21H 25/12

IPC 8 full level

**B05C 11/04** (2006.01); **B05C 11/02** (2006.01); **D21H 25/12** (2006.01)

CPC (source: EP KR US)

**B05C 11/02** (2013.01 - KR); **B05C 11/025** (2013.01 - EP US); **D21H 25/12** (2013.01 - EP US)

Citation (search report)

See references of WO 03078077A1

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DE102009026823A1; DE102009026823B4; EP2103358A1; US10465342B2; EP2808092A1; US8539904B2; WO2010142513A1; DE102009061033A1; US9869061B2; DE102009061033B4; EP2712960A1; US9205450B2; DE202018101092U1

Designated contracting state (EPC)

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**DE 0300738 W 20030307**; AT 03720149 T 20030307; AU 2003223848 A 20030307; CN 03800613 A 20030307; DE 10390987 T 20030307; DE 50300916 T 20030307; EP 03720149 A 20030307; JP 2003576121 A 20030307; KR 20047000731 A 20030307; US 48927104 A 20041015